

WIKO Lamps

Wiko lamps are manufactured using state-of-the-art manufacturing technique ensuring the highest quality lamps available today. Each lamp is checked with an electrical current to ensure the overall total quality of their product. These bulbs are the replacement choice in microfiche viewers, slide projectors, movie projectors, and other equipment where near perfect viewing is needed.

| Order # | ANSI Code | Voltage/Watt | Avg. Life (Hrs.) | (1-4) | (5-up) |
|---------|--------------|--------------|------------------|--------|--------|
| 25-675 | BHC | 120V/600W | 75 | \$9.99 | \$9.76 |
| 25-660 | DAK | 120V/500W | 30 | 17.95 | 17.46 |
| 25-660 | DAY | 120V/500W | 30 | 17.95 | 17.46 |
| 25-1435 | DDL | 20V/150W | 500 | 11.95 | 11.39 |
| 25-635 | DED | 13.8V/85W | 1000 | 12.95 | 12.63 |
| 25-1430 | DJL | 120V/150W | 15 | 32.95 | 30.25 |
| 25-655 | DNF | 21V/150W | - | 22.50 | 22.04 |
| 25-675 | DYS | 120V/600W | 75 | 9.99 | 9.76 |
| 25-675 | DYV | 120V/600W | 75 | 9.99 | 9.76 |
| 25-630 | ELC | 24V/250W | 50 | 9.99 | 9.25 |
| 25-625 | ELH | 120V/300W | 35 | 12.07 | 11.39 |
| 25-605 | ENH | 120V/250W | 175 | 14.09 | 13.47 |
| 25-615 | ENX | 82V/360W | 75 | 9.99 | 9.26 |
| 25-1390 | ENX/5 | 86V/360W | 75 | 11.22 | 9.83 |
| 25-1400 | EVW | 82V/250W | 50 | 16.35 | 14.30 |
| 25-645 | EXR | 82V/300W | 35 | 11.06 | 10.35 |
| 25-685 | EYB | 82V/360W | 75 | 11.50 | 11.28 |
| 25-1380 | EYB/5 | 86V/360W | 75 | 12.95 | 11.79 |
| 25-620 | FHS | 82V/300W | 70 | 15.12 | 14.61 |
| 25-2450 | JCD12V20WH20 | 12V/20W | 2000 | 3.15 | 2.72 |

EIKO Miniature Fluorescent Lamps

| Order # | Type | Watts | Length | Life | Base | (1-9) | (10-up) |
|---------|-----------|-------|--------|------|------|--------|---------|
| 25-955 | F4T5/CW | 4 | 6" | 6000 | G5 | \$1.83 | \$1.53 |
| 25-960 | F6T5/CW | 6 | 9" | 7500 | G5 | 2.04 | 1.83 |
| 25-2755 | F6T5/D | 6 | 9" | 7500 | G5 | 2.13 | 2.09 |
| 25-965 | F8T5/CW | 8 | 12" | 7500 | G5 | 1.81 | 1.50 |
| 25-2760 | F8T5/BLB | 8 | 12" | 7500 | G5 | 9.15 | 8.95 |
| 25-2765 | F10T8/CW | 10 | 13" | 7500 | G5 | 3.29 | 3.22 |
| 25-2370 | F8T5/D | 8 | 12" | 7500 | G5 | 3.46 | 3.24 |
| 25-2770 | F13T8//CW | 13 | 12" | 7500 | G13 | 5.18 | 5.08 |
| 25-970 | F13T5/CW | 13 | 21" | 7500 | G5 | 3.83 | 3.63 |
| 25-975 | F14T8/CW | 14 | 15" | 7500 | G13 | 2.11 | 1.91 |
| 25-2775 | F14T8/D | 14 | 15" | 7500 | G13 | 3.63 | 3.55 |
| 25-2780 | F14T12/CW | 14 | 15" | 7500 | G13 | 4.12 | 3.92 |
| 25-980 | F15T8/CW | 15 | 18" | 7500 | G13 | 1.29 | 0.99 |
| 25-2380 | F15T8/D | 15 | 18" | 7500 | G13 | 4.48 | 4.40 |
| 25-2385 | F15T8/BL | 15 | 18" | 7500 | G13 | 7.44 | 7.13 |
| 25-2785 | F15T8/BLB | 15 | 18" | 7500 | G13 | 9.25 | 9.05 |
| 25-2790 | F15T8/WW | 15 | 18" | 7500 | G13 | 3.63 | 3.55 |
| 25-2830 | F15T12/CW | 15 | 18" | 9000 | G13 | 3.24 | 3.17 |
| 25-2360 | F4T5/D | 4 | 6" | 6000 | G5 | 3.46 | 3.15 |
| 25-2365 | F4T5/BL | 4 | 6" | 6000 | G5 | 4.48 | 4.40 |
| 25-2375 | F4T5/BL | 8 | 12" | 7500 | G5 | 6.01 | 5.87 |

CW = Cool White D = Daylight BL = Black Light BLB = Ultraviolet Black Light Blue

DuoTube®

| Order # | Type | Watts | Color Temperature | Base | (1-9) | (10-up) |
|---------|---------|-------|-------------------|------|--------|---------|
| 25-985 | DT5/27 | 5 | 2700 | G23 | \$3.37 | \$2.96 |
| 25-990 | DT7/27 | 7 | 2700 | G23 | 3.37 | 2.96 |
| 25-2795 | DT9/27 | 9 | 2700 | G23 | 5.04 | 4.92 |
| 25-2800 | DT9/35 | 9 | 3500 | G23 | 5.04 | 4.92 |
| 25-2805 | DT9/41 | 9 | 4100 | G23 | 5.04 | 4.78 |
| 25-2810 | DT13/27 | 13 | 2700 | GX23 | 5.04 | 4.92 |

Lamp Starter



Our deluxe starter features mylar condensers and is pre-tested to ensure long life.

| Order # | Type | (1-9) | (10-up) |
|----------|------|--------|---------|
| 28-4315 | FS-2 | \$0.36 | \$0.30 |
| 28-10085 | FS-U | 0.42 | - |



EIKO Landscape Lighting

•Low voltage replacement lamps for landscape lights •Used in fixtures by Toro, Malibu and others •12V •Two per package

| Order # | Color | Wattage | (1-9) | (10-99) | (100-up) |
|---------|-------|---------|--------|---------|----------|
| 25-2330 | Clear | 4 | \$1.93 | \$1.88 | \$1.67 |
| 25-2340 | Clear | 7 | 1.93 | 1.88 | 1.67 |
| 25-2350 | Clear | 11 | 3.05 | 2.82 | 2.54 |



SPC TECHNOLOGY

Rough Service Bulbs

Rough service bulbs are made with strong and well-supported filaments to resist vibrations, shocks and bumps. "Gator Skin" bulbs are shatterproof due to a thin rubberized coating. All bulbs are standard, frosted, household screw-based bulbs for use in droplight, elevators and other critical applications. 130V. Average life 2500 hours. Sold in packages of two.

| Order # | Watts | (1-4 pkgs.) | (5 pkgs.-up) |
|----------------------|-------|-------------|--------------|
| Rough Service | | | |
| 25-2115 | 50 | \$3.15 | \$2.94 |
| 25-2120 | 75 | 3.15 | 2.85 |
| 25-2125 | 100 | 3.15 | 2.94 |
| "Gator Skin" | | | |
| 25-2130 | 50 | 4.27 | 3.97 |
| 25-2140 | 100 | 4.27 | 4.09 |



Bulbs/Fuses



section
9

Bulbs/Fuses

| | | | |
|---------------------------|------------------------|--------------------|--------------|
| Automotive Fuse Taps | 228 | Fluorescent | ... 223, 227 |
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| | | LittleFuse | ... 229, 230 |
| | | Medical/Scientific | ... 225 |
| | | Projector Bulbs | ... 225 |

Compact Fluorescent Bulbs

•Replace your incandescent bulbs with these new fluorescent bulbs •Energy efficient, saves up to 75% in electricity when compared to incandescent bulbs •High output, bright light for quality illumination •Long life, reduces maintenance costs •Compact size, small tube diameters and compact design fit more applications •Integrated electronic ballast, provides for easy installation, reliable operation, flicker free start and superior cold weather operation •All bulbs come with a medium screw (E26) type base for drop in replacement



| Order # | Watt. | Temperature | Replaces (Hours) | (1-29) | (30-up) |
|---------|-------|-------------|------------------|--------|---------------|
| 25-3115 | 15 | 27000 | 60W | 10000 | \$3.49 \$3.29 |
| 25-3120 | 15 | 41000 | 60W | 10000 | 4.49 4.29 |
| 25-3125 | 15 | 65000 | 60W | 10000 | 4.49 4.29 |
| 25-3135 | 20 | 41000 | 75W | 10000 | 4.79 - |
| 25-3140 | 20 | 65000 | 75W | 10000 | 4.79 4.49 |

EIKO Circuline Fluorescent Lamps

•T9 •Rapid start •Base: G10q •Average life: 12,000

| Order #/Type | Watts | Diameter | (1-9) | (10-99) | (100-up) |
|--------------|-------|----------|---------|---------|----------|
| 25-2815 | 22 | 8.25" | \$12.19 | \$11.58 | \$9.73 |
| FC8T9/CW | | | | | |
| 25-2820 | 22 | 8.25" | 12.19 | 11.93 | 10.02 |
| FC8T9/D | | | | | |
| 25-2825 | 32 | 12.00" | 13.18 | 12.90 | 10.87 |
| FC12T9/CW | | | | | |

CW = Cool White D = Daylight



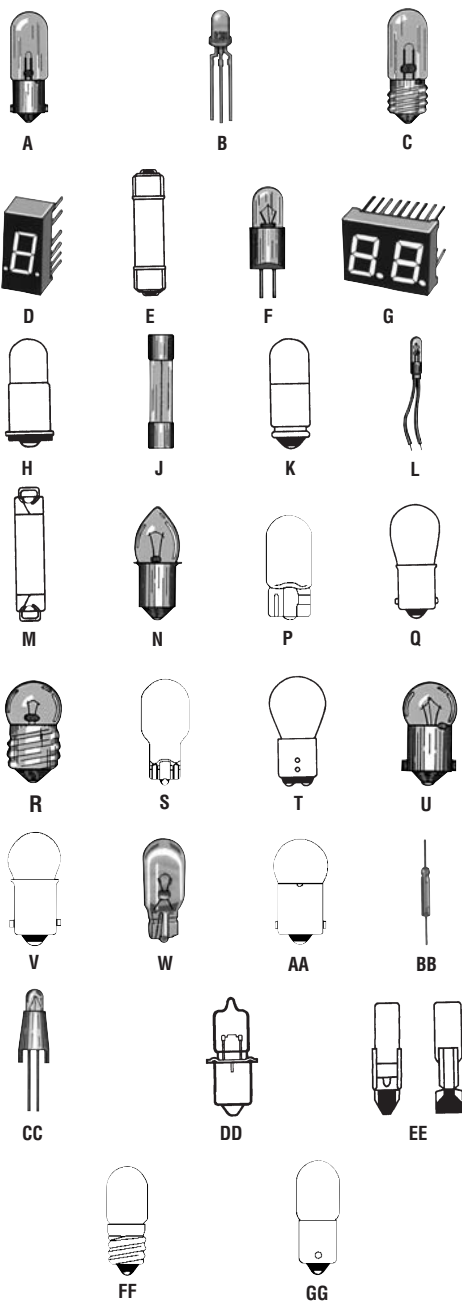
SYLVANIA 22 Watt Circular Fluorescent Tube

Circular fluorescent tube used in a variety of applications. Used in many circular bulkheads and fittings, observation lamps, and in the amusements industry. Each lamp is supplied with G10q cap for use in standard fittings. **Specifications:** •Tube diameter: 29mm •Lamp diameter: 216mm

| Order # | Wattage | (1-11) | (12-up) |
|----------|---------|--------|---------|
| LPS00475 | 22W | \$8.00 | \$7.82 |



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 **223**



Original JVC Indicator Lamp

•12V •3mm (O.D.) •1" leads
•JVC #VGZ0001-037

Order # (ea.)
32-6870 **\$3.80**



Lamps

| Fig | Order # | Standard # | Description | Type | Voltage | Current | (1-9) | (10-99) | (100-up) |
|-----|---------|------------|----------------------------------|------|---------|---------|--------|---------|----------|
| A | 25-010 | #44 | Miniature bayonet base | T-3½ | 6.3V | .25A | \$0.26 | \$0.21 | \$0.15 |
| A | 25-020 | #47 | Miniature bayonet base | T-3½ | 6.3V | .15A | 0.26 | 0.21 | 0.15 |
| B | 25-575 | - | Red and green dual color 5mm | - | 2.5V | - | 0.68 | 0.65 | 0.54 |
| C | 25-040 | #46 | Miniature screw base | T-3½ | 6.3V | .25A | 0.39 | 0.35 | 0.30 |
| C | 25-045 | #52 | Miniature screw base | G-3½ | 12.0V | .10A | 0.40 | 0.35 | 0.30 |
| D | 25-305 | - | Seven segmented common anode/red | - | 3V | - | 2.24 | 1.82 | 1.57 |
| E | 25-1275 | #211-2 | End caps | T-3 | 12.8V | .97A | 0.92 | 0.90 | 0.79 |
| E | 25-2725 | 214-2 | Double end cap | T-3 | 13.5V | .52A | 0.88 | 0.85 | 0.81 |
| F | 25-060 | - | Bi-pin | - | 8V | .08A | 0.72 | 0.70 | 0.53 |
| F | 25-070 | - | Bi-pin | - | 12V | .08A | 0.72 | 0.61 | 0.51 |
| G | 25-315 | - | Dual LED common cathode | - | 3V | - | 3.61 | 3.39 | 3.07 |
| H | 25-1165 | #327 | Midget flanged base | T-1½ | 28.0V | .04A | 0.35 | 0.31 | 0.26 |
| H | 25-1170 | #330 | Midget flanged base | T-1½ | 14.0V | .08A | 0.41 | 0.37 | 0.32 |
| H | 25-2605 | 382 | Midget flanged | T-1½ | 14.0V | .08A | 0.40 | 0.39 | 0.37 |
| J | 25-080 | - | Fuse type | - | 6V | .25A | 0.46 | 0.41 | 0.37 |
| J | 25-090 | - | Fuse type | - | 8V | .25A | 0.46 | 0.42 | 0.37 |
| J | 25-100 | - | Fuse type | - | 12V | .15A | 0.57 | 0.47 | 0.41 |
| J | 25-490 | - | Sub mini stereo indicator | - | 12V | .035A | 0.42 | 0.41 | 0.32 |
| J | 32-6950 | - | Fuse type | - | 12V | .15A | 4.83 | - | - |
| K | 25-1180 | #386 | Midget grooved base | T-1½ | 14.0V | .08A | 0.40 | 0.36 | 0.31 |
| K | 25-1185 | #388 | Midget grooved base | T-1½ | 28.0V | .04A | 0.41 | 0.37 | 0.32 |
| K | 25-2600 | 379 | Midget grooved | T-1½ | 6.3V | .20A | 0.73 | 0.70 | 0.66 |
| L | 25-130 | - | Subminiature | - | 6.3V | .07A | 0.45 | 0.41 | 0.36 |
| L | 25-140 | - | Subminiature | - | 8V | .07A | 0.61 | 0.59 | 0.53 |
| L | 25-150 | - | Subminiature | - | 12V | .07A | 0.46 | 0.42 | 0.37 |
| L | 25-160 | - | Sub mini stereo indicator | - | 8V | .035A | 0.45 | 0.41 | 0.36 |
| L | 25-500 | - | Micro size | - | 8V | .035A | 0.47 | 0.41 | 0.37 |
| L | 25-505 | - | Micro size | - | 12V | .035A | 0.47 | 0.46 | 0.36 |
| M | 25-1555 | 562 | Rigid loop | T-3 | 13.5V | .74A | 0.82 | 0.74 | 0.64 |
| N | 25-1090 | #PR2 | S. C. miniature flange base | B-3½ | 2.38V | .50A | 0.26 | 0.22 | 0.18 |
| N | 25-1100 | #PR3 | S. C. miniature flange base | B-3½ | 3.57V | .50A | 0.26 | 0.22 | 0.18 |
| N | 25-1110 | #PR4 | S. C. miniature flange base | B-3½ | 2.33V | .27A | 0.26 | 0.22 | 0.18 |
| P | 25-1160 | #168 | Sub miniature wedge base | T-3½ | 14.0V | .35A | 0.26 | 0.22 | 0.18 |
| P | 25-745 | #555 | Wedge base | T-3½ | 6.3V | .25A | 0.32 | 0.27 | 0.19 |
| P | 25-825 | #159 | Wedge base | T-3½ | 6.3V | .15A | 0.26 | 0.19 | 0.15 |
| P | 25-830 | #161 | Sub miniature wedge base | T-3½ | 14.0V | .19A | 0.28 | 0.21 | 0.16 |
| P | 25-840 | #259 | Sub miniature wedge base | T-3½ | 6.3V | .25A | 0.28 | 0.23 | 0.18 |
| Q | 25-1200 | #1003 | S. C. bayonet base | B-6 | 12.8V | .94A | 0.41 | 0.37 | 0.27 |
| R | 25-210 | #14 | Miniature screw base | G-3½ | 2.47V | .30A | 0.57 | 0.53 | 0.47 |
| R | 25-215 | #50 | Miniature screw base | G-3½ | 7.5V | .22A | 0.67 | 0.64 | 0.58 |
| S | 25-755 | #906 | Miniature bayonet base | T-5 | 13.0V | .69A | 0.31 | 0.26 | 0.21 |
| S | 25-870 | #912 | Miniature wedge base | T-5 | 12.8V | 1.0A | 0.31 | 0.26 | 0.21 |
| T | 25-1225 | #1157 | D. C. index base | S-8 | 12.8V | 2.1A | 0.59 | 0.55 | 0.49 |
| T | 25-930 | #1895 | Miniature bayonet base | G-4½ | 14.0V | .27A | 0.30 | 0.26 | 0.19 |
| U | 25-225 | #51 | Miniature bayonet base | G-3½ | 7.5V | .22A | 0.51 | 0.41 | 0.37 |
| V | 25-230 | #53 | Miniature bayonet base | G-3½ | 14.4V | .12A | 0.61 | 0.51 | 0.41 |
| V | 25-795 | #55 | Miniature bayonet base | G-4½ | 7.0V | .41A | 0.21 | 0.15 | 0.10 |
| V | 25-800 | #57 | Miniature bayonet base | G-6 | 14.0V | .24A | 0.26 | 0.21 | 0.17 |
| W | 25-590 | - | Wedge base | - | 12V | .42A | 0.51 | 0.48 | 0.42 |
| AA | 25-2580 | 219 | Miniature bayonet | G-3½ | 6.3V | .25A | 0.65 | 0.63 | 0.60 |
| AA | 25-2590 | 257 | Miniature bayonet | G-4½ | 14.0V | .27A | 0.38 | 0.37 | 0.35 |
| AA | 25-765 | #89 | S. C. bayonet base | G-6 | 13.0V | .58A | 0.31 | 0.26 | 0.21 |
| AA | 25-805 | #63 | S. C. bayonet base | G-6 | 7.0V | .63A | 0.30 | 0.26 | 0.19 |
| AA | 25-810 | #67 | S. C. bayonet base | G-6 | 13.5V | .59A | 0.39 | 0.35 | 0.32 |
| BB | 25-445 | - | Level meter lamp | - | 6.3V | .25A | 0.61 | 0.53 | 0.42 |
| BB | 25-450 | - | Level meter lamp | - | 8V | .25A | 0.61 | 0.52 | 0.41 |
| BB | 25-455 | - | Level meter lamp | - | 12V | .25A | 0.46 | 0.41 | 0.31 |
| CC | 25-235 | - | VCR sensing lamp | - | 6V | .15A | 0.88 | 0.78 | 0.67 |
| DD | 25-1285 | #KPR102 | Krypton gas filled | T-3½ | 2.4V | .70A | 0.51 | 0.47 | 0.42 |
| DD | 25-1290 | #KPR103 | Krypton gas filled | T-3½ | 3.6V | .70A | 0.43 | 0.40 | 0.36 |
| DD | 25-1330 | #KRP2 | Krypton gas filled | C-2R | 2.38V | .50A | 0.43 | 0.40 | 0.36 |
| EE | 25-1375 | #120PSB | Switchboard pilot indicator | T-2 | 120.0V | .025A | 0.81 | 0.69 | 0.58 |
| FF | 25-2660 | 1821 | Miniature screw | T-3½ | 28.0V | .17A | 0.38 | 0.37 | 0.35 |
| FF | 25-785 | #44 | Miniature bayonet base | T-3½ | 6.3V | .15A | 0.26 | 0.19 | 0.15 |
| GG | 25-1235 | #1816 | Miniature bayonet base | T-3½ | 13.0V | .33A | 0.31 | 0.27 | 0.22 |
| GG | 25-2650 | 1815 | Miniature bayonet | T-3½ | 14.0V | .20A | 0.36 | 0.35 | 0.34 |
| GG | 25-2655 | 1820 | Miniature bayonet | T-3½ | 28.0V | .10A | 0.36 | 0.34 | 0.33 |
| GG | 25-2665 | 1873 | Miniature bayonet | T-3½ | 28.0V | .20A | 0.36 | 0.35 | 0.34 |
| GG | 25-2670 | 1888 | Miniature bayonet | T-3½ | 7.0V | .50A | 0.41 | 0.40 | 0.38 |
| GG | 25-2675 | 1889 | Miniature bayonet | T-3½ | 14.0V | .27A | 0.31 | 0.30 | 0.28 |
| GG | 25-2680 | 1893 | Miniature bayonet | T-3½ | 14.0V | .33A | 0.31 | 0.30 | 0.28 |
| GG | 25-855 | #755 | Miniature bayonet base | T-3½ | 6.30V | .15A | 0.26 | 0.21 | 0.15 |
| GG | 25-860 | #756 | Miniature bayonet base | T-3½ | 14.0V | .08A | 0.26 | 0.21 | 0.17 |
| GG | 25-890 | #1813 | Miniature bayonet base | T-3½ | 14.4V | .10A | 0.36 | 0.29 | 0.26 |
| GG | 25-895 | #1819 | Miniature bayonet base | T-3½ | 28.0V | .04A | 0.29 | 0.25 | 0.19 |

Bulb Installer/Remover

•Has inside diameter of 1/16" and 1/32" •For bulb sizes T3 1/4 and 656 •Material: Synthetic rubber



Order # (1-9) (10-99) (100-up)
25-2520 \$2.34 \$2.30 \$2.19

Original JVC Fuse Lamp

•12V, 150mA •JVC #ELP4101-003

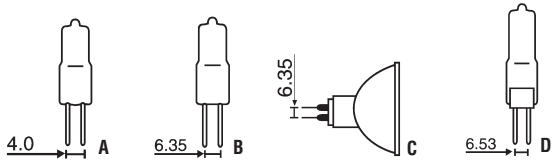
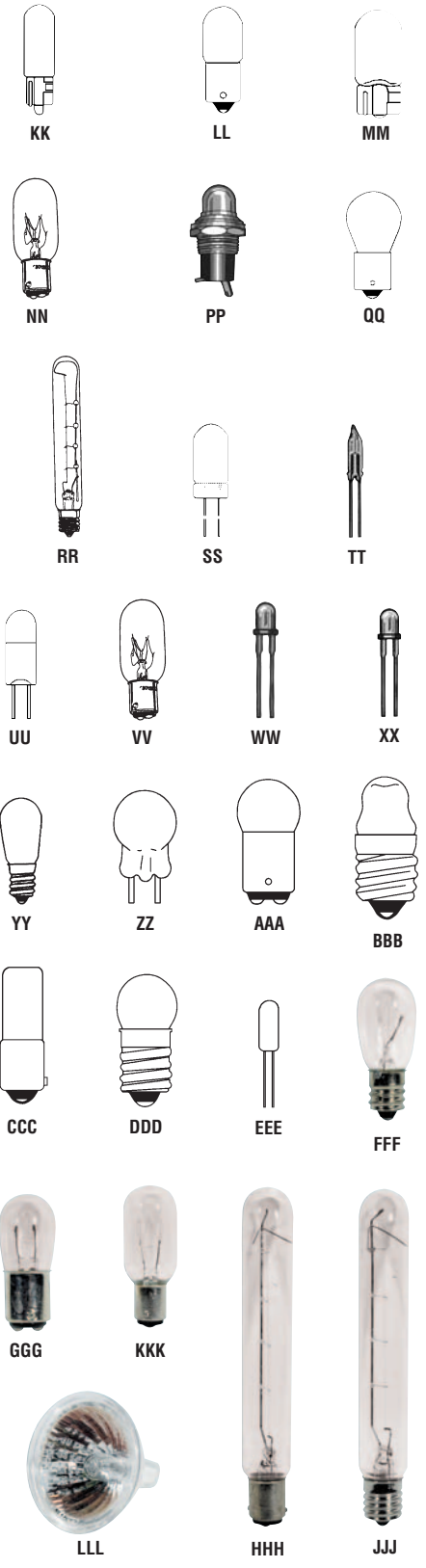


Order # (ea.)
32-6950 \$4.83



Lamps

| Fig | Order # | Standard # | Description | Type | Voltage | Current | (1-9) | (10-99) | (100-up) |
|-----|---------|----------------------|---|-------|---------|---------|--------|---------|----------|
| GG | 25-910 | #1847 | Miniature bayonet base | T-3½ | 6.3V | .15A | \$0.28 | \$0.22 | \$0.17 |
| GG | 25-920 | #1891 | Miniature bayonet base | T-3½ | 14.0V | .24A | 0.30 | 0.26 | 0.19 |
| GG | 25-925 | #1892 | Miniature bayonet base | T-3½ | 14.4V | .12A | 0.29 | 0.25 | 0.21 |
| - | 25-1580 | 3157 | D. C. plastic wedge base | S-8 | 12.8V | 2.10A | 1.23 | 1.06 | 0.90 |
| KK | 25-1000 | #86 | Sub miniature wedge base | T-1½ | 6.3V | .20A | 0.26 | 0.21 | 0.17 |
| KK | 25-1140 | #70 | Sub miniature wedge base | T-1½ | 14.0V | .15A | 0.31 | 0.27 | 0.22 |
| KK | 25-815 | #73 | Sub miniature wedge base | T-1½ | 14.0V | .08A | 0.25 | 0.20 | 0.17 |
| KK | 25-820 | #74 | Sub miniature wedge base | T-1½ | 14.0V | .10A | 0.22 | 0.17 | 0.15 |
| LL | 25-1550 | 1416 | Miniature bayonet | T-4½ | 12.8V | .8A | 1.64 | 1.37 | 1.22 |
| LL | 25-845 | #313 | Miniature bayonet base | T-3½ | 28.0V | .17A | 0.30 | 0.25 | 0.19 |
| LL | 25-865 | #757 | Miniature bayonet base | T-3½ | 28.0V | .08A | 0.29 | 0.24 | 0.18 |
| LL | 25-900 | #1828 | Miniature bayonet base | T-3½ | 37.5V | .05A | 0.35 | 0.31 | 0.25 |
| LL | 25-905 | #1829 | Miniature bayonet base | T-3½ | 28.0V | .07A | 0.30 | 0.26 | 0.22 |
| LL | 25-915 | #1864 | Miniature bayonet base | T-3½ | 28.0V | .17A | 0.30 | 0.26 | 0.19 |
| MM | 25-1010 | #658 | Wedge base | T-3½ | 14.0V | .08A | 0.27 | 0.22 | 0.18 |
| MM | 25-1190 | #464 | Wedge base | T-3½ | 28.0V | .17A | 0.31 | 0.27 | 0.22 |
| MM | 25-2535 | 37 | Sub-miniature wedge | T-1½ | 14.0V | .09A | 0.30 | 0.29 | 0.28 |
| MM | 25-2540 | 85 | Sub-miniature wedge | T-1½ | 28.0V | .04A | 0.40 | 0.39 | 0.37 |
| MM | 25-2560 | 147 | Wedge | T-3½ | 7.0V | .43A | 0.51 | 0.49 | 0.46 |
| MM | 25-2565 | 158 | Wedge | T-3½ | 14.0V | .24A | 0.41 | 0.40 | 0.38 |
| MM | 25-2570 | 192 | Wedge | T-3½ | 13.0V | .33A | 0.37 | 0.36 | 0.34 |
| MM | 25-2575 | 193 | Wedge | T-3½ | 14.0V | .33A | 0.31 | 0.30 | 0.28 |
| MM | 25-2610 | 400 | Wedge | T-3½ | 28.0V | .10A | 0.31 | 0.30 | 0.28 |
| MM | 25-2620 | 585 | Miniature wedge | T-3½ | 28.0V | .04A | 0.41 | 0.40 | 0.38 |
| MM | 25-2690 | 2821 | Miniature wedge | T-3½ | 12.0V | .25A | 0.36 | 0.35 | 0.34 |
| MM | 25-2735 | E73 | Sub-miniature wedge | T-1½ | 14.0V | .80A | 0.22 | 0.22 | 0.21 |
| MM | 25-2740 | E85 | Sub-miniature wedge | T-1½ | 28.0V | .04A | 0.31 | 0.30 | 0.28 |
| MM | 25-850 | #656 | Wedge base | T-3½ | 28.0V | .06A | 0.26 | 0.21 | 0.17 |
| MM | 25-950 | #657 | Wedge base | T-3 | 28.0V | .08A | 0.29 | 0.23 | 0.18 |
| NN | 25-1595 | 20T61/ 2DC/F-130V | Bayonet base frosted | T-6½ | 130V | 20W | 1.21 | 1.04 | 0.89 |
| PP | 25-715 | - | E-5 lamp holder w/round lens | - | - | - | 0.93 | 0.91 | 0.85 |
| QQ | 25-2550 | 93 | S.C. bayonet | S-8 | 12.8V | 1.04A | 0.51 | 0.49 | 0.46 |
| QQ | 25-1215 | #1141 | S. C. bayonet base | S-8 | 12.8V | 1.44A | 0.41 | 0.37 | 0.27 |
| QQ | 25-875 | #1156 | S. C. bayonet base | S-8 | 12.8V | 2.1A | 0.36 | 0.28 | 0.21 |
| QQ | 25-885 | #1683 | S. C. bayonet base | S-8 | 28.0V | 1.02A | 0.50 | 0.46 | 0.41 |
| RR | 25-1590 | 20T61/2N-130V | Intermediate screw base | T-6½ | 130V | 20W | 1.23 | 1.06 | 0.90 |
| SS | 25-2685 | 2187 | Wire terminal | T-1½ | 28.0V | .04A | 0.33 | 0.32 | 0.30 |
| SS | 25-935 | #2182 | Wire terminal | T-1½ | 14.0V | .08A | 0.27 | 0.23 | 0.18 |
| TT | 25-170 | - | Neon with resistor #NE2 | - | 117V | - | 0.33 | 0.29 | 0.23 |
| UU | 25-1255 | #7387 | Bi-pin base | T-1½ | 28.0V | .04A | 0.56 | 0.53 | 0.47 |
| UU | 25-940 | #7373 | Bi-pin base | T-1½ | 14.0V | .1A | 0.41 | 0.36 | 0.30 |
| UU | 25-945 | #7382 | Bi-pin base | T-1½ | 14.0V | .08A | 0.56 | 0.45 | 0.35 |
| VV | 25-1600 | 25T8DC-130V | D. C. bayonet base | T-8 | 130V | 25W | 0.72 | 0.64 | 0.53 |
| WW | 25-110 | - | Red LED 5mm | - | 2.5V | - | 0.51 | 0.48 | 0.38 |
| WW | 25-120 | - | Green LED 5mm | - | 2.5V | - | 0.51 | 0.48 | 0.38 |
| WW | 25-125 | - | Yellow LED 5mm | - | 2.5V | - | 0.51 | 0.48 | 0.38 |
| WW | 25-280 | - | Red and green dual color | - | 2.5V | - | 1.03 | 0.93 | 0.83 |
| WW | 25-475 | - | Infrared 5mm (five per pkg.) | - | 1.7V | .10A | 2.73 | - | - |
| WW | 25-480 | - | Infrared 5mm (wide angle, five per pkg.) | - | 1.7 | .10A | 2.73 | - | - |
| XX | 25-257 | - | Green 3mm | - | 2.5V | - | 0.29 | 0.23 | 0.18 |
| YY | 25-1020 | 6S6120V | Candelabra screw base | S-6 | 120V | 6W | 0.40 | 0.35 | 0.28 |
| ZZ | 25-2525 | 12 | Miniature two-pin | G-3½ | 6.3V | .15A | 1.25 | 1.16 | 1.09 |
| ZZ | 25-2530 | 19 | Miniature two-pin | G-3½ | 14.4V | .10A | 1.01 | 0.99 | 0.94 |
| AAA | 25-2545 | 90 | D.C. bayonet | G-6 | 13.0V | .58A | 0.62 | 0.61 | 0.58 |
| BBB | 25-2555 | 112 | Miniature screw | TL-3 | 1.2V | .22A | 0.51 | 0.49 | 0.46 |
| BBB | 25-2585 | 222 | Miniature screw | TL-3 | 2.25V | .25A | 0.71 | 0.68 | 0.64 |
| CCC | 25-2715 | 120MB | Miniature bayonet | T-2½ | 120V | .025A | 0.90 | 0.89 | 0.84 |
| DDD | 25-2595 | 359 | Miniature screw | G-3½ | 1.35V | .06A | 0.69 | 0.68 | 0.65 |
| EEE | 25-2625 | 680 | Standard wire terminal | T-1 | 5.0V | .06A | 0.31 | 0.30 | 0.28 |
| EEE | 25-2630 | 715 | Standard wire terminal | T-1 | 5.0V | .115A | 0.43 | 0.41 | 0.39 |
| EEE | 25-2700 | 8640 | Wire terminal | T-1½ | 14.0V | .08A | 0.71 | 0.68 | 0.64 |
| FFF | 25-1020 | 6S6-120V | Candelabra screw base | S-6 | 120V | 6W | 0.40 | 0.35 | 0.28 |
| GGG | 25-1025 | 6S6DC-120V | D.C. Bayonet base | S-6 | 120V | 6W | 0.31 | 0.27 | 0.23 |
| HHH | 25-1595 | 20T6-1/2DC/F-130V | D.C. Bayonet base frosted | T-6½ | 130V | 20W | 1.21 | 1.04 | 0.89 |
| JJJ | 25-1590 | 20T6-1/2N-130V | Intermediate screw base | T-6½ | 130V | 20W | 1.23 | 1.06 | 0.90 |
| KKK | 25-1600 | 25T8DC-130V | D.C. Bayonet base | T-8 | 130V | 25W | 0.72 | 0.64 | 0.53 |
| LLL | 25-2880 | BAB | GX5.3 | MR-16 | 12V | 20W | 2.03 | 1.99 | 1.88 |



Medical/Scientific and Microscope Lamps

| Fig. | Order # | ANSI Code | Volts/ Watts | Base | Approx. Lumens | Approx. Color Temp K° | Avg. Life Hours | (1-4) | (5-up) |
|------|---------|-----------|--------------|--------|----------------|-----------------------|-----------------|--------|--------|
| A | 25-1740 | ESA/FHD | 6V/10W | G4 | 200 | 3200 | 100 | \$6.19 | \$5.22 |
| A | 25-1745 | ESB/FHE | 6V/20W | G4 | 450 | 3200 | 100 | 6.19 | 5.22 |
| B | 25-1670 | BRL | 12V/50W | G6.35 | 1400 | 3300 | 50 | 6.19 | 5.22 |
| C | 25-1690 | EFP | 12V/100W | GZ6.35 | - | 3400 | 50 | 20.50 | 17.41 |
| D | 25-1715 | EKE | 21V/150W | GX5.3 | - | 3250 | 200 | 22.95 | 19.55 |
| B | 25-1730 | FCS | 24V/150W | G6.35 | 4800 | 3400 | 50 | 4.49 | 3.69 |
| B | 25-1700 | EHJ | 24V/250W | G6.35 | 500 | 3400 | 50 | 9.29 | 8.12 |

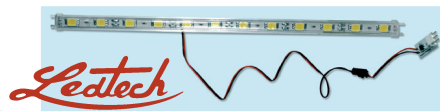
Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 **225**



Leatech Futura Brand Tivoli® Type Replacement LED Bulbs

• Replace your incandescent bulbs with new Tivoli® type LEDs • Available in 12 and 24V AC or DC configurations • Available in a variety of colors

| Order # | Part # | Description | Volts | (ea.) |
|---------|-----------|------------------|-------|--------|
| 25-3400 | 19209-312 | White Futura LED | 12VAC | \$1.75 |
| 25-3405 | 19209-313 | White Futura LED | 12VDC | 1.75 |
| 25-3410 | 19209-315 | Blue Futura LED | 12VDC | 1.75 |
| 25-3420 | 19209-317 | Red Futura LED | 12VDC | 1.75 |
| 25-3425 | 19209-318 | Red Futura LED | 12VAC | 0.99 |
| 25-3430 | 19209-319 | Red Futura LED | 24VAC | 1.75 |
| 25-3440 | 19209-323 | White Futura LED | 24VDC | 1.75 |
| 25-3445 | 19209-324 | White Futura LED | 24VAC | 1.75 |
| 25-3450 | 19209-325 | Blue Futura LED | 24VDC | 1.75 |
| 25-3455 | 19209-326 | Blue Futura LED | 24VAC | 0.99 |



Atlas LED Tubes

• Fluorescent bulb replacement • LED light tubes designed to fit into standard fluorescent sockets • No ballast required • 24V transformer required • Lamps ship with standard connector to adapt to standard gaming applications • Available in two configurations: R = round with dummy pins to fit into existing ballast, D = one side is flat and can be used with double sided tape to light an area **Requirements:** • Fluorescent light socket or double sided tape • Existing connector to fit gaming applications or 24V adaptor to power LEDs

| Order # | Mfr. # | Length/Configuration | | (ea.) |
|---------|-------------|---------------------------------|----|---------|
| | | R = round, D = flat 1 side LEDs | | |
| 25-3490 | 19209-404-R | 120mm/R | 4 | \$36.95 |
| 25-3495 | 19209-404-D | 120mm/D | 4 | 36.95 |
| 25-3500 | 19209-408-R | 255mm/R | 8 | 32.95 |
| 25-3505 | 19209-408-D | 255mm/D | 8 | 36.95 |
| 25-3510 | 19209-414-R | 360mm/R | 12 | 29.95 |
| 25-3515 | 19209-414-D | 360mm/D | 12 | 34.95 |
| 25-3520 | 19209-415-R | 436mm/R | 14 | 32.95 |
| 25-3525 | 19209-415-D | 436mm/D | 14 | 36.95 |
| 25-3530 | 19209-420-R | 540mm/R | 18 | 35.95 |
| 25-3535 | 19209-420-D | 540mm/D | 18 | 47.95 |

LED Sockets

• LED sockets for T-1½, T-3¼, T-1¼ wedge based lamps

| Order # | Mfr. # | Description | (1-9) | (10-up) |
|---------|--------|-------------|--------|---------|
| 25-3340 | 2918B | T-1½ socket | \$0.69 | \$0.55 |
| 25-3345 | 2919 | T-3¼ socket | 0.64 | 0.49 |
| 25-3350 | 2929 | T-1¼ socket | 0.73 | 0.62 |

LED Panel Mounts

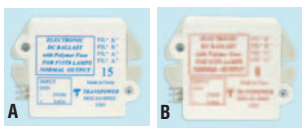
Securely mount an LED to a panel with a thickness of .32"-.125" Snap-together ring and clip holes a T-1 (3mm) or a T-1¼ (5mm) LED. Black nylon. Sold in packages of 100.



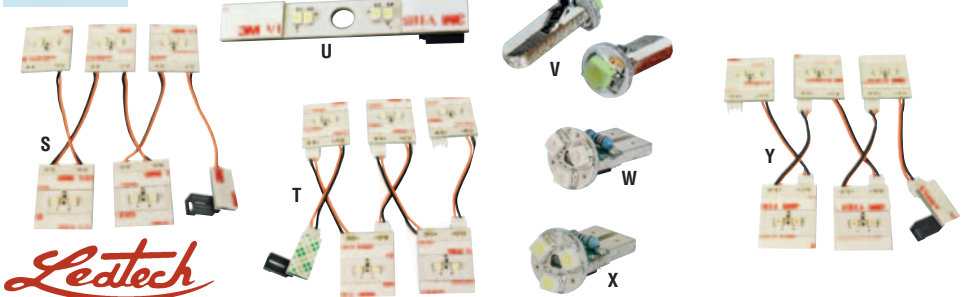
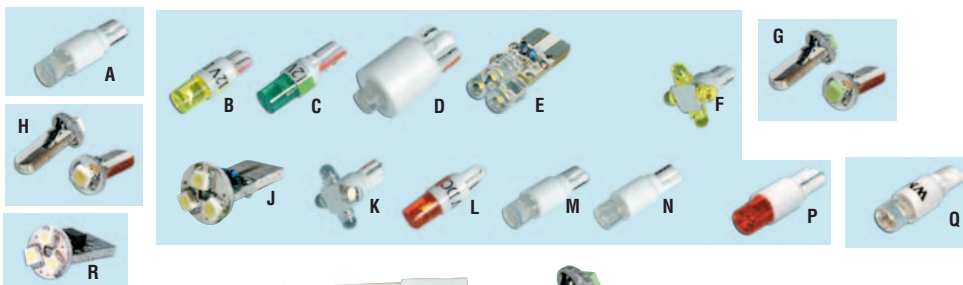
| Order # | Fits | Diameter | (1-9 pkgs.) | (10 pkgs.-up) |
|---------|------|----------|-------------|---------------|
| 92N4814 | T-1 | .21" | \$15.80 | \$14.17 |
| 92N4815 | T-1¼ | .30" | 15.80 | 14.17 |

Gaming Ballast

• Replacement for IGT™ ballast
• OEM replacement



| Fig. | Order # | #IGT | Description | (1-9) | (10-up) |
|------|---------|----------|---------------|---------|---------|
| A | 142-495 | 19507690 | EB15DC25A 15W | \$19.95 | \$17.95 |
| B | 142-500 | 19506990 | EB8DC25A 8W | 15.95 | 12.95 |



LED Replacement Bulbs

• Replace your incandescent bulbs with these long lasting LED bulbs
• Available in a variety of colors and for a variety of applications

| Fig. | Order # | Part # | Description | Volts | (1-9) | (10-up) |
|------|---------|-----------|---|--------------|--------|---------|
| A | 25-3000 | 19209-55 | #73 white single sleeved version | 12VDC | \$1.79 | \$1.75 |
| H | 25-3540 | 19209-348 | #73 white SMD single PCB version | 14VDC | 1.79 | 1.70 |
| - | 25-3370 | 19209-311 | #73 white SMD single sleeved version | 14VDC | 1.79 | 1.70 |
| B | 25-2930 | 19209-86 | #73 yellow single sleeved version | 12VDC | 1.79 | 1.75 |
| C | 25-2935 | 19209-98 | #73 green single sleeved version | 12VDC | 1.79 | 1.75 |
| V | 25-3550 | 19209-343 | #73 green T-1¼ surface mount LED | 14VDC | 1.79 | 1.70 |
| - | 25-3545 | 19209-349 | #73 green SMD single sleeved version | 14VDC | 1.79 | 1.70 |
| G | 25-3550 | 19209-343 | #73 green SMD single PCB version | 14VDC | 1.79 | 1.70 |
| D | 25-2940 | 19209-96 | #658 white single sleeved version | 12VDC | 2.75 | 2.65 |
| E | 25-2945 | 19209-97 | #658 white 3 cluster PCB version | 12Vbi-polar | 4.25 | 3.97 |
| F | 25-2975 | 19209-12 | #86 used in IGT™ upright bill Validator yellow quad sleeved version (requires 2) | 6.3VAC | 1.95 | 1.60 |
| W | 25-3480 | 19209-344 | 3 cluster green wedge LED (Aristocrat games) | 28V | 5.95 | - |
| X | 25-3485 | 19209-345 | 3 cluster white wedge LED (Aristocrat games) | 28V | 5.95 | - |
| L | 25-2995 | 19209-67 | Red single chip | 12VDC | 4.10 | - |
| M | 25-3000 | 19209-55 | #73 white single sleeved | 12VDC | 1.79 | 1.75 |
| - | 25-3205 | 19209-06 | #86 white single | 6VDC | 2.95 | 2.32 |
| N | 25-3005 | 19209-56 | #85 clear single sleeved | 6.3VAC | 1.49 | - |
| P | 25-3190 | 19209-130 | #658 white 3 cluster 1¼" button | 12VDC | 2.99 | - |
| Q | 25-3220 | 19209-180 | Red single chip | 8VAC | 1.95 | 1.60 |
| P | 25-3225 | 19209-191 | White single chip | 7VDC | 2.95 | 2.32 |
| J | 25-3190 | 19209-130 | #658 white 3 cluster 1¼" button | 12VDC | 2.99 | - |
| - | 25-3200 | 19209-145 | #658 white tri P5 type | 28VDC | 5.95 | 5.10 |
| - | 25-3205 | 19209-06 | #73 white single PCB version | 12VDC | 2.95 | 2.32 |
| K | 25-3215 | 19209-210 | White 4 cluster Denom (front mount only) | 14VDC | 5.95 | 5.61 |
| R | 25-3235 | 19209-301 | T-3¼ 3 cluster, LT5K type, PCB wedge, red, water clear lens | 8Vbi-polar | 2.19 | 1.75 |
| - | 25-3245 | 19209-303 | T-3¼ 3 cluster, LT5K type, PCB wedge, yellow, water clear lens | 8Vbipolar | 2.25 | 1.80 |
| - | 25-3250 | 19209-304 | T-3¼ 3 cluster, LT5K type, PCB wedge, white, water clear lens | 8Vbipolar | 3.69 | 2.95 |
| - | 25-3265 | 19209-307 | T-3¼ 4 cluster, LT5K type, PCB wedge, green, water clear lens | 8Vbipolar | 3.65 | 2.92 |
| - | 25-3275 | 19209-309 | T-3¼ 4 cluster, LT5K type, PCB wedge, white, water clear lens | 8Vbipolar | 4.49 | 3.59 |
| - | 25-3280 | 19209-310 | T-3¼ 4 cluster, LT5K type, PCB wedge, blue, water clear lens | 8Vbipolar | 4.19 | 3.35 |
| - | 25-3285 | 19209-331 | T-3¼ 3 cluster, LT5K type, PCB wedge, red, water clear lens | 14Vbi-polar | 2.09 | 1.67 |
| - | 25-3290 | 19209-332 | T-3¼ 3 cluster, LT5K type, PCB wedge, green, water clear lens | 14Vbipolar | 3.29 | 2.63 |
| - | 25-3295 | 19209-333 | T-3¼ 3 cluster, LT5K type, PCB wedge, yellow, water clear lens | 14Vbipolar | 2.25 | 1.80 |
| - | 25-3300 | 19209-334 | T-3¼ 3 cluster, LT5K type, PCB wedge, white, water clear lens | 14Vbipolar | 3.75 | 3.00 |
| - | 25-3305 | 19209-335 | T-3¼ 3 cluster, LT5K type, PCB wedge, blue, water clear lens | 14Vbipolar | 3.55 | 2.84 |
| - | 25-3310 | 19209-336 | T-3¼ 4 cluster, LT5K type, PCB wedge, red, water clear lens | 14Vbipolar | 3.49 | 2.79 |
| - | 25-3315 | 19209-337 | T-3¼ 4 cluster, LT5K type, PCB wedge, green, water clear lens | 14Vbipolar | 4.49 | 3.59 |
| - | 25-3320 | 19209-338 | T-3¼ 4 cluster, LT5K type, PCB wedge, yellow, water clear lens | 14Vbipolar | 3.29 | 2.63 |
| - | 25-3325 | 19209-339 | T-3¼ 4 cluster, LT5K type, PCB wedge, white, water clear lens | 14Vbipolar | 4.89 | 3.91 |
| - | 25-3330 | 19209-340 | T-3¼ 4 cluster, LT5K type, PCB wedge, blue, water clear lens | 14Vbipolar | 4.89 | 3.91 |
| S | 25-3335 | 19209-350 | I-Game LED hard wired board | | 13.25 | 12.99 |
| T | 25-3360 | 19209-360 | I-Game LED modular circuit board | | 14.95 | - |
| S | 25-3555 | 19209-380 | Bill validator kit, surface mount LED version | | 9.45 | - |
| U | 25-3460 | 19209-360 | Bill validator kit, S2000 upright version white only | | 7.95 | 5.95 |
| Y | 25-3475 | 19209-362 | 5 cluster, 4 yellow, 1 white Futura LED | 14V bi-polar | 15.95 | - |



Micro Lamps

•6mm bulb height •3mm bulb width 1" leads

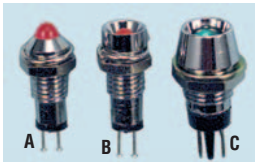


| Order # | Watts | Amps | Voltage | (1-9) | (10-99) | (100-up) |
|---------|-------|------|---------|--------|---------|----------|
| 25-995 | 0.5 | 60mA | 8 | \$0.26 | \$0.20 | \$0.15 |
| 25-1365 | 0.42 | 70mA | 6 | 0.26 | 0.20 | 0.15 |
| 25-1370 | 0.6 | 50mA | 12 | 0.26 | 0.20 | 0.15 |



LED Indicator Lights

Indicator lamps with chrome-plated brass bodies. Type 406 features macrodome lens. Voltage range from 2-24V with built-in resistor. Type 407 has large dish-shaped reflector around LED to produce a larger illumination area. Panel hole for both types: 0.244" for 2 volt models and 0.280" for 12 and 24 volt models. Type 440 is a larger version of type 407 to provide even greater illumination. Panel hole: 0.335".



| Fig. | Order # | Type | Color | Volts | (1-4) | (5-up) |
|------|---------|-------------|-------|-------|--------|--------|
| A | 25-2020 | LED-406R-12 | Red | 12 | \$5.80 | \$5.56 |
| A | 25-2040 | LED-406G-12 | Green | 12 | 6.42 | 5.97 |
| B | 25-2065 | LED-407R-24 | Red | 24 | 5.80 | 5.56 |
| C | 25-2100 | LED-440G | Green | 2 | 5.29 | 4.99 |

M/LEC Universal Indicator Lights

151 series indicator lights are versatile, high-impact plastic units which provide excellent visibility. Mounts in a 0.281" hole with nut and washer supplied. Round lens.



| Order # | Type | Lens | Volts | (1-4) | (5-up) |
|---------------------------|----------|-------|-------|--------|--------|
| Incandescent Lamps | | | | | |
| 25-1935 | F151-24C | Clear | 24 | \$2.64 | \$2.51 |
| 25-1940 | F151-12R | Red | 12 | 2.64 | 2.51 |
| 25-1945 | F151-12G | Green | 12 | 2.64 | 2.51 |
| 25-1950 | F151-24R | Red | 24 | 2.64 | 2.51 |
| 25-1960 | F151-24G | Green | 24 | 2.64 | 2.44 |
| 25-1965 | F151-12B | Blue | 12 | 2.64 | 2.51 |

| Order # | Type | Lens | Volts | (1-4) | (5-up) |
|-------------------|------------|-------|-------|-------|--------|
| Neon Lamps | | | | | |
| 25-1970 | NR151-110R | Red | 110 | 4.27 | 4.19 |
| 25-1975 | NR151-110A | Amber | 110 | 4.27 | 4.19 |
| 25-1980 | NR151-110C | Clear | 110 | 4.27 | 4.19 |
| 25-1985 | NR151-110G | Green | 110 | 4.27 | 4.19 |

| Order # | Type | Lens | Volts | (1-4) | (5-up) |
|------------------|----------|--------|-------|-------|--------|
| LED Lamps | | | | | |
| 25-1990 | L151-12R | Red | 12 | 3.76 | 3.67 |
| 25-1995 | L151-24R | Red | 24 | 4.07 | 3.87 |
| 25-2000 | L151-24G | Green | 24 | 4.68 | 4.48 |
| 25-2005 | L151-24Y | Yellow | 24 | 4.68 | 4.48 |

M/LEC Large LED Indicator Lights

1501 series indicator lights mount in 15mm panel hole with nut and washer provided. Solder terminals standard. LED light source and top hat style lens.



| Order # | Type | Lens | Volts | mA | (1-4) | (5-up) |
|---------|-----------|--------|-------|----|--------|--------|
| 25-1905 | L1501-12G | Green | 12 | 20 | \$4.38 | \$4.30 |
| 25-1915 | L1501-12R | Red | 12 | 20 | 4.38 | 4.30 |
| 25-1920 | L1501-24R | Red | 24 | 20 | 4.38 | 4.30 |
| 25-1925 | L1501-12Y | Yellow | 12 | 15 | 4.38 | 4.30 |
| 25-1930 | L1501-24Y | Yellow | 24 | 15 | 4.38 | 4.17 |

White LEDs

•3mm and 5mm white LEDs •DC forward voltage: 4.0V max. •DC reserve current: 50µA max. •Operating temperature: -30°C~+80°C •Lead spacing: 2.54mm •Lead length: 21.4mm •Cathode identified by shorter pin



| Order # | Size | (1-9) | (10-99) | (100-up) |
|---------|------|--------|---------|----------|
| 25-2320 | 3mm | \$5.29 | \$5.09 | \$4.78 |
| 25-2325 | 5mm | 5.19 | 4.99 | 4.68 |

NTE ELECTRONICS, INC. Super Bright LEDs



•Super bright, suitable for full color displays and indicators, diagnostic/analytical equipment
•Clear lens color

| Order# | Color | Qty. | Angle | mcd/ma(V) | (1-9) | (10-99) | (100-up) |
|------------------|------------|------|-------|-----------|--------|---------|----------|
| 3MM | | | | | | | |
| NTE30030 | Yellow | 3 | 14 | 850/30 | \$0.99 | \$0.92 | \$0.83 |
| NTE30031 | Pure Green | 1 | 14 | 4500/30 | 1.45 | 1.35 | 1.23 |
| NTE30032 | Yellow | 3 | 10 | 2000/25 | 0.99 | 0.92 | 0.83 |
| NTE30033 | Orange | 3 | 0 | 2000/25 | 0.99 | 0.92 | 0.83 |
| NTE30034 | Deep Red | 3 | 19 | 450/25 | 0.99 | 0.92 | 0.83 |
| NTE30035 | Amber | 3 | 10 | 2000/25 | 0.99 | 0.92 | 0.83 |
| NTE30036 | Blue | 1 | 15 | 2200/25 | 1.45 | 1.35 | 1.23 |
| 5MM | | | | | | | |
| NTE30037 | Yellow | 3 | 12 | 1500/25 | 0.99 | 0.92 | 0.83 |
| NTE30038 | Pure Green | 1 | 15 | 8000/30 | 1.45 | 1.35 | 1.23 |
| NTE30039 | Yellow | 3 | 12 | 3500/30 | 2.99 | 2.45 | 2.39 |
| NTE30040 | Orange | 3 | 12 | 3200/25 | 0.99 | 0.92 | 0.83 |
| NTE30041 | Deep Red | 3 | 12 | 1400/25 | 0.99 | 0.92 | 0.83 |
| NTE30042 | Amber | 3 | 12 | 3000/25 | 0.99 | 0.92 | 0.83 |
| NTE30043 | Blue | 1 | 12 | 3000/30 | 1.45 | 1.35 | 1.23 |
| White 3MM | | | | | | | |
| NTE30044 | White | 1 | 30 | 2500/30 | 2.48 | 2.43 | 2.31 |
| White 5MM | | | | | | | |
| NTE30045 | White | 1 | 22 | 7500/30 | 1.75 | 1.63 | 1.48 |

CHICAGO MINIATURE LAMP, INC. WHERE INNOVATION COMES TO LIGHT

Non-Relampable Indicators

Non-relampable solid state lamps with polycarbonate lens. Solid state indicator lights feature built-in current-limiting resistor and rectifier diode. 22AWG wire leads. Stainless-steel bezel. Snap fits into 0.505" diameter hole in panels 0.100" thick.

| Order # | Type | Color | Voltage | (1-4) | (5-up) |
|---------|---------------|--------|---------|--------|--------|
| 25-2185 | 1091M7-24V | Yellow | 24 | \$3.76 | \$3.24 |
| 25-2190 | 1091M5-125VAC | Red | 125 | 4.27 | 4.09 |

EG&G OPTOELECTRONICS Vactec Division

Infrared Emitter

Used with solid-state phototransistor or photodarlington detectors with internal gains from 100 to 100,000. Wavelength: 880nm.



| Order # | Mfr. # | Pkg. | Total Power (mW) | Half Power Beam Angle | (1-9) | (10-up) |
|---------|--------|------|------------------|-----------------------|--------|---------|
| 52F8759 | TO-46 | 80 | | ±10° | \$3.66 | \$3.56 |
| VTE1163 | | | | | | |

LED Holder

A chrome metal LED holder with rubber base to hold the legs. Accepts 5mm dia LEDs. Mounting hole: 8mm.



| Order # | (1-9) | (10-up) |
|---------|--------|---------|
| AR70438 | \$0.86 | \$0.84 |

Colored Sub-Miniature Bulbs

A range of 12V, 65mA lamps available in 4 colors. Wire fitting. 3 (dia) x 8mm, 28mm wire length.

| Order # | Color | (1-9) | (10-up) |
|---------|--------|--------|---------|
| AR70318 | Red | \$0.43 | \$0.41 |
| AR70319 | Green | 0.43 | 0.41 |
| AR70320 | Blue | 0.43 | 0.41 |
| AR70321 | Yellow | 0.43 | 0.41 |

Bulbs/Fuses



section
9

CCFL Fluorescent Replacement Bulbs NEW



•Replace fluorescent lamps with energy efficient CCFL lamps •24VDC and 110VAC kits available 24VDC: •Cold cathode replacement lamp system for 24VDC powered slot machines and video poker, includes one 24VDC CCFL inverter and one cold cathode lamp any size from F-15, F-14, F-8, F-6, F-4 110VAC: •Cold cathode replacement lamp system for 110VAC powered slot machines and video poker, includes one CCFL inverter with A/C in-line adaptor and one cold cathode lamp any size from F-15, F-14, F-8, F-6, F-4

| Order # | Lamp Replacement | (ea.) |
|---------------|------------------|---------|
| 24VDC | | |
| 25-3655 | F4 | \$29.95 |
| 25-3660 | F6 | 29.95 |
| 25-3665 | F8 | 29.95 |
| 25-3670 | F14 | 29.95 |
| 25-3675 | F15 | 29.95 |
| 110VAC | | |
| 25-3680 | F4 | 32.25 |
| 25-3685 | F6 | 32.25 |
| 25-3690 | F8 | 32.25 |
| 25-3695 | F14 | 32.25 |
| 25-3700 | F15 | 32.25 |



Cold Cathode Fluorescent Lamps

•Available in 4" and 12" lengths •12VDC power required with 350mA draw for 12" lamp and 190mA draw for 4" lamp •Average brightness: 15000CD/m² •Average life: 15,000 hours •Available with power supply or without for replacement bulbs •Lamp kits include clear plastic housing with double sided tape for mounting •Power supply also available

| Order # | Length | Color | (ea.) |
|---|--------|-------------|---------|
| A. Complete lamp kits with power supply* | | | |
| 25-3080 | 12" | Blue | \$15.79 |
| 25-3085 | 12" | Black light | 15.79 |
| 25-3090 | 12" | Green | 15.89 |
| 25-3095 | 12" | Pink | 15.89 |
| 25-3100 | 12" | White | 15.89 |
| 25-3105 | 12" | Yellow | 15.89 |

Power supply cables for computer case installation

| | |
|---------|------|
| 25-3110 | 4.99 |
|---------|------|

| Order # | Length | Color | (ea.) |
|--------------------------------------|--------|--------|-------|
| B. Lamps without power supply | | | |
| 25-3010 | 12" | Blue | 9.99 |
| 25-3015 | 4" | Blue | 5.09 |
| 25-3035 | 4" | Green | 4.79 |
| 25-3040 | 12" | Pink | 11.49 |
| 25-3045 | 4" | Pink | 5.09 |
| 25-3050 | 12" | White | 6.69 |
| 25-3055 | 4" | White | 4.99 |
| 25-3060 | 12" | Yellow | 3.99 |
| 25-3065 | 4" | Yellow | 7.95 |

Power supply**

| | |
|-----------------------------------|------|
| 25-3070 12V inverter for 4" lamps | 5.09 |
|-----------------------------------|------|

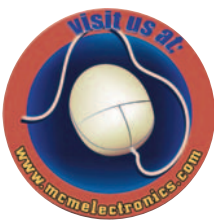
| | |
|------------------------------------|------|
| 25-3075 12V inverter for 12" lamps | 7.95 |
|------------------------------------|------|

*Power supply includes connectors for 2 lamps

**Power supply supports one lamp



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 227



multicomp 10mm Round LED Lamp

•H-E is high efficiency •Colored lenses are diffused

| Order # | Color | Lens Color | Viewing Angle | mcd/ma(V) | (1-9) | (10-99) | (100-up) |
|---------|---------|------------|---------------|-----------|--------|---------|----------|
| 92N5374 | H-E red | Red | 60° | 110/20 | \$0.46 | \$0.40 | \$0.36 |

multicomp T-1¼ (5mm) LED Lamps

•Colored lenses are diffused •Water type lenses are clear •H-E is high efficiency •S-B is super bright



| Order # | Color | Lens Color | Viewing Angle | mcd/ma(V) | (1-9) | (10-99) | (100-up) |
|-------------------------------------|------------|------------|---------------|-----------|--------|---------|----------|
| Standard Lamps | | | | | | | |
| 92N5327 | Blue | Blue | 60° | 35/20 | \$6.36 | \$5.56 | \$5.02 |
| 92N5328 | Blue | Water | 16° | 70/20 | 6.36 | 5.56 | 5.02 |
| 92N5335 | S-B green | Water | 50° | 150/20 | 0.39 | 0.34 | 0.31 |
| 92N5336 | Yellow | Yellow | 60° | 25/10 | 0.39 | 0.34 | 0.31 |
| Lamps with Integral Resistor | | | | | | | |
| 92N5339 | Pure green | Green | 60° | 25/5V | 0.48 | 0.42 | 0.38 |
| 92N5342 | Yellow | Yellow | 60° | 25/12V | 0.48 | 0.42 | 0.38 |
| Blinking Lamps | | | | | | | |
| 92N5381 | H-E red | Red | 60° | 30/20 | 1.38 | 1.21 | 1.08 |
| 92N5382 | S-B green | Green | 60° | 15/20 | 1.38 | 1.22 | 1.09 |
| 92N5383 | Yellow | Yellow | 60° | 15/20 | 1.38 | 1.22 | 1.09 |

Fuses

SPC TECHNOLOGY

S-8000 ¼" x 1¼" Fuse Blocks

Individual thermoplastic barrier blocks with sealed base, 1 piece mounting clips.

Multiple units may be subdivided to desired number of poles. UL recognized, CSA certified.



| Order # | Type | Poles | Clip | (1-9) | (10-49) | (50-up) |
|--|-----------|-------|------|--------|---------|---------|
| 25-AMP Solder Terminals | | | | | | |
| 28-6465 | S-8001-1 | 1 | 0° | \$1.01 | \$0.94 | \$0.83 |
| 20-AMP ¼" Quick Connect Terminals | | | | | | |
| 28-6480 | S-8201-1 | 1 | 0° | 1.01 | 0.94 | 0.83 |
| 28-6490 | S-8202-12 | 12 | 40° | 14.30 | 13.83 | 13.31 |
| 30-AMP Screw Terminals | | | | | | |
| 28-6495 | S-8301-1 | 1 | 0° | 2.51 | - | - |

KEYSTONE

Fuse Holders and Clips

•Snap-in PC board mount •100 pieces per package

| Order # | Description | (pkg.) |
|---------|-----------------------|--------|
| 28-5774 | 3AG type, single clip | \$8.19 |

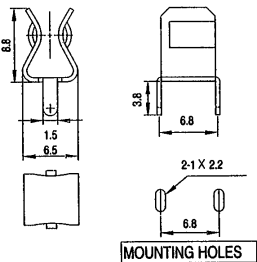


PC Board Mount Fuse Holders

Board mount fuse holders are bright tin plated spring brass and will handle current loads up to

10A. Accepts standard 5mm (0.2") diameter fuses. Two holders required per fuse, sold in packages of ten.

| Order # | (1-9 pkgs.) | (10 pkgs.-up) |
|---------|-------------|---------------|
| 28-5782 | \$0.99 | \$0.88 |



ATO Fuse Taps

•Clips onto ATO automotive fuses •Great for car stereo installations •¼" male disconnect •Ten per package

| Fig. | Order # | Type | (1-9 pkgs.) | (10-24 pkgs.) |
|------|---------|----------|-------------|---------------|
| A | 28-1985 | Mini ATC | \$1.45 | \$1.24 |
| B | 28-1980 | ATO/ATC | 1.99 | 1.69 |



COOPER **Bussmann**

ATC® Series Blade Type Auto Fuses

•Fast-acting standard plug-in automobile fuses •Rated at 32V •Color coded by amp rating •UL listed •Sold individually

| Order # | Mfr. # | Color/Amps | (1-24) | (25-99) | (100-up) |
|---------|--------|--------------|--------|---------|----------|
| 28-6545 | ATC-5 | Tan/5A | \$0.33 | \$0.30 | \$0.26 |
| 28-6550 | ATC-10 | Red/10A | 0.33 | 0.30 | 0.26 |
| 28-6555 | ATC-15 | Lt. Blue/15A | 0.33 | 0.30 | 0.26 |
| 28-6560 | ATC-20 | Yellow/20A | 0.33 | 0.30 | 0.26 |
| 28-6565 | ATC-25 | Clear/25A | 0.33 | 0.30 | 0.26 |
| 28-6570 | ATC-30 | Green/30A | 0.33 | 0.30 | 0.26 |

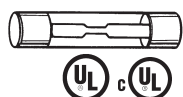


COOPER **Bussmann**

Buss® AGC ¼" x 1¼" Fast-Acting Fuses

•Glass •UL listed, CSA certified; UL recognized 12~30A •Sold individually

| Order # | Mfr. # | Voltage Rating | Amps | (ea.) |
|---------|--------|----------------|------|--------|
| 28-7450 | AGC-1½ | 250V | 1½ | \$0.39 |
| 28-7468 | AGC-7½ | 125V | 7½ | 0.29 |
| 28-7484 | AGC-35 | 32V | 35 | 0.29 |

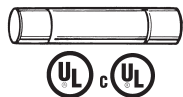


COOPER **Bussmann**

Buss® ABC ¼" x 1¼" Fast-Acting Fuses

•Ceramic, Rated 250V, UL listed, CSA certified; except * denotes 125V, UL recognized •Sold individually

| Order # | Mfr. # | Amps | (1-24) | (25-99) | (100-up) |
|---------|---------|------|--------|---------|----------|
| 28-7504 | ABC-7 | 7 | \$1.19 | \$1.09 | 0.99 |
| 28-7506 | ABC-8 | 8 | 0.49 | 0.40 | - |
| 28-7516 | ABC-25* | 25 | 1.39 | 1.33 | 1.23 |

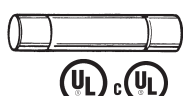


COOPER **Bussmann**

Buss® MDA ¼" x 1¼" Time-Delay Ceramic Fuses

•Rated 250V, except * denotes 125V. UL listed, CSA certified; +UL recognized •Sold individually

| Order # | Mfr. # | Amps | (1-24) | (25-99) | (100-up) |
|---------|----------|------|--------|---------|----------|
| 28-7710 | MDA-6 | 6 | \$0.43 | - | - |
| 28-7712 | MDA-6¼ | 6¼ | 2.19 | \$2.05 | \$1.84 |
| 28-7714 | MDA-7 | 7 | 1.39 | 1.33 | 1.23 |
| 28-7722 | MDA-20+ | 20 | 1.39 | 1.33 | 1.23 |
| 28-7724 | MDA-25*+ | 25 | 1.39 | 1.29 | 1.19 |
| 28-7726 | MDA-30*+ | 30 | 1.39 | 1.29 | 1.19 |



Automotive Fuse Kit

•#102-040 contains the following automotive fuses: Blade (15 each): 3A, 4A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A and 35A Mini blade (15 each): 2A, 3A, 4A, 5A, 7.5A, 10A, 15A, 20A, 25A and 30A European (15 each): 8A and 16A (30 each): 5A and 25A



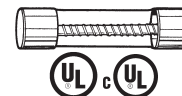
| Order # | (kit) |
|---------|---------|
| 102-040 | \$41.16 |

COOPER **Bussmann**

Buss® MDL ¼" x 1¼" Time-Delay Fuses

•Glass, dual-element •UL listed, CSA certified, rated 250V; except * denotes UL recognized, 32V •Sold individually

| Order # | Mfr. # | Amps | (1-24) | (25-99) | (100-up) |
|---------|---------|------|--------|---------|----------|
| 28-7344 | MDL-¼ | ¼ | \$2.49 | \$2.39 | \$2.21 |
| 28-7346 | MDL-½ | ½ | 2.85 | 2.64 | 2.50 |
| 28-7352 | MDL-¾ | ¾ | 2.59 | 2.46 | 2.26 |
| 28-7354 | MDL-1 | 1 | 1.59 | 1.49 | 1.29 |
| 28-7358 | MDL-1½ | 1½ | 1.69 | 1.49 | 1.39 |
| 28-7370 | MDL-2 | 2 | 1.19 | 1.16 | 1.10 |
| 28-7378 | MDL-3 | 3 | 0.49 | - | - |
| 28-7390 | MDL-3 | 3 | 0.59 | 0.50 | - |
| 28-7394 | MDL-3½ | 3½ | 1.39 | 1.33 | 1.23 |
| 28-7400 | MDL-6 | 6 | 0.49 | 0.49 | 0.39 |
| 28-7406 | MDL-8 | 8 | 0.59 | 0.50 | - |
| 28-7410 | MDL-12* | 12 | 0.89 | 0.81 | - |
| 28-7418 | MDL-30* | 30 | 1.79 | 1.64 | 1.53 |



COOPER **Bussmann**

Buss® GMC 5 x 20mm Time-Lag Fuses

•Glass, high-interrupting. Rated 250V, Except * denotes 125V. UL listed, CSA certified •Sold individually

| Order # | Mfr. # | Amps | (1-24) | (25-99) | (100-up) |
|---------|---------|------|--------|---------|----------|
| 28-7646 | GMC-4A* | 4.0 | \$0.59 | \$0.50 | - |
| 28-7648 | GMC-5A* | 5.0 | 0.59 | 0.50 | - |
| 28-7652 | GMC-7A* | 7.0 | 1.29 | 1.25 | \$1.18 |

COOPER **Bussmann**

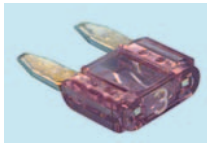
Buss® GDB 5 x 20mm Fast-Acting Fuses

•Glass, 250V, low-interrupting. Meet IEC 27, Sheet 2. •Sold individually

| Order # | Mfr. # | Amps | (1-24) | (25-99) | (100-up) |
|---------|-----------|-------|--------|---------|----------|
| 28-7556 | GDB-315MA | 315mA | \$1.29 | \$1.25 | \$1.18 |
| 28-7562 | GDB-630MA | 630mA | 0.59 | 0.50 | - |
| 28-7570 | GDB-1.6A | 1.6 | 0.19 | - | - |
| 28-7580 | GDB-5A | 5.0 | 0.59 | 0.49 | - |
| 28-7582 | GDB-6.3A | 6.3 | 0.59 | 0.50 | - |



COOPER Bussmann



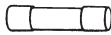
ATM Mini-Fuses

- Fast acting •Rated 32VDC
- Color coded by amp rating •Used in many late model foreign and domestic automobiles
- Sold individually

| Order # | Mfr. # | Color | Amps | (1-24) | (25-99) | (100-up) |
|---------|---------|--------|------|--------|---------|----------|
| 28-6575 | ATM-3 | Violet | 3 | \$0.39 | \$0.34 | \$0.30 |
| 28-6585 | ATM-5 | Tan | 5 | 0.39 | 0.34 | 0.30 |
| 28-8450 | ATM-7.5 | Brown | 7.5 | 0.39 | 0.34 | 0.30 |
| 28-6590 | ATM-10 | Red | 10 | 0.39 | 0.34 | 0.30 |
| 28-6595 | ATM-15 | Blue | 15 | 0.39 | 0.34 | 0.30 |
| 28-6600 | ATM-20 | Yellow | 20 | 0.39 | 0.34 | 0.30 |
| 28-6605 | ATM-25 | Clear | 25 | 0.39 | 0.34 | 0.30 |
| 28-6610 | ATM-30 | Green | 30 | 0.39 | 0.34 | 0.30 |

COOPER Bussmann

Buss® GDA 5 x 20mm Fast-Acting Fuses



- Ceramic, high-interrupting, rated 250V. Meet IEC 127, sheet 1 •Sold individually

| Order # | Mfr. # | Amps | (1-24) | (25-99) | (100-up) |
|---------|-----------|-------|--------|---------|----------|
| 28-7522 | GDA-315MA | 315mA | \$1.79 | \$1.64 | \$1.43 |
| 28-7524 | GDA-500MA | 500mA | 1.69 | 1.64 | 1.43 |
| 28-7526 | GDA-630MA | 630mA | 1.69 | 1.64 | 1.43 |
| 28-7528 | GDA-1A | 1.0 | 1.69 | 1.64 | 1.43 |
| 28-7530 | GDA-1.6A | 1.6 | 1.49 | 1.43 | 1.39 |
| 28-7532 | GDA-2A | 2.0 | 1.59 | 1.53 | 1.33 |
| 28-7534 | GDA-2.5A | 2.5 | 1.89 | 1.64 | 1.33 |
| 28-7536 | GDA-3.15A | 3.15 | 1.89 | 1.64 | 1.33 |
| 28-7538 | GDA-4A | 4.0 | 1.89 | 1.64 | 1.33 |
| 28-7540 | GDA-5A | 5.0 | 1.89 | 1.59 | 1.29 |
| 28-7542 | GDA-6.3A | 6.3 | 1.89 | 1.64 | 1.33 |

COOPER Bussmann

Buss® GMA 5 x 20mm Fast-Acting Fuses

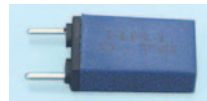


- Glass, rated 250V, except * denotes 125V. UL listed, CSA certified •Sold individually

| Order # | Mfr. # | Amps | (1-24) | (25-99) |
|---------|-----------|-------|--------|---------|
| 28-7596 | GMA-600MA | 600mA | 1.09 | 1.02 |
| 28-7602 | GMA-1A | 1.0 | 0.59 | 0.50 |
| 28-7604 | GMA-1.5A | 1.5 | 0.59 | 0.50 |
| 28-7610 | GMA-3A | 3.0 | 0.59 | 0.50 |
| 28-7614 | GMA-5A* | 5.0 | 0.59 | 0.50 |
| 28-7616 | GMA-6A* | 6.0 | 0.59 | 0.50 |
| 28-7618 | GMA-7A* | 7.0 | 0.69 | 0.69 |

Low-Current Circuit Breakers

- Auto resetting circuit breakers •For use up to 50V



| Order # | Hold Current | Order # | Hold Current |
|---------|--------------|---------|--------------|
| 60-535 | 1.5A | 60-545 | 2.5A |
| 60-540 | 2A | | |

\$3.99 (1-9)\$3.09 (10-up)

High-Current Circuit Breakers

- Auto resetting circuit breakers •For use with 13.8VDC



| Order # | Current | Order # | Current | Order # | Current |
|---------|---------|---------|---------|---------|---------|
| 60-485 | 15A | 60-495 | 25A | 60-505 | 40A |
| 60-490 | 20A | 60-500 | 30A | 60-510 | 50A |

\$4.99 (1-9)\$4.39 (10-up)

25-Pack ATC Type Fuses

- Commonly used in automotive applications



| Order # | Ampere Rating | (1-3 pkgs.) | (4 pkgs.-up) |
|---------|---------------|-------------|--------------|
| ATC1 | 1A | \$3.73 | \$3.11 |
| ATC2 | 2A | 3.73 | 3.11 |
| ATC3 | 3A | 3.73 | 3.20 |
| ATC5 | 5A | 3.66 | 3.14 |
| ATC7.5 | 7.5A | 3.66 | 3.14 |
| ATC10 | 10A | 3.66 | 3.14 |
| ATC15 | 15A | 3.66 | 3.14 |
| ATC20 | 20A | 3.66 | 3.14 |
| ATC25 | 25A | 3.66 | 3.14 |
| ATC30 | 30A | 3.66 | 3.14 |
| ATC40 | 40A | 3.77 | 3.23 |

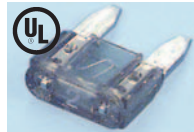
Littelfuse® ATO/ATC Style Automotive Fuses



- Originally designed by Littelfuse for the automotive industry •OEM standard for foreign and domestic vehicles •Readily identifiable and easily replaced
- Ideal for a variety of low voltage electronic applications •Meets UL and CSA standards •Color coded for easy identification •Overall dimensions: 0.75" x 0.75", including blades •Packaged bulk, sold individually •All values rated 32V

| Order # | Color | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|-----------|---------|------|--------|---------|---------|----------|
| 28-257015 | Blue | 15 | \$0.33 | \$0.32 | \$0.31 | \$0.29 |
| 28-257020 | Yellow | 20 | 0.33 | 0.32 | 0.31 | 0.29 |
| 28-257025 | Natural | 25 | 0.33 | 0.32 | 0.31 | 0.29 |
| 28-257030 | Green | 30 | 0.33 | 0.32 | 0.31 | 0.29 |

Littelfuse® ATM (Mini ATC) Automotive Fuses



- Smaller size allows more fuses to be located in the same area •Increasingly common in newer domestic and foreign vehicles •Readily identifiable and easily replaced •Ideal for a variety of low voltage electronic applications •UL listed •Color coded for easy identification •Overall dimensions: 0.63" x 0.43", including blades •Packaged bulk, sold individually •All values rated 32V

| Order # | Color | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|---------|------|--------|---------|---------|----------|
| 28-297003 | Violet | 3 | \$0.39 | \$0.38 | \$0.36 | \$0.34 |
| 28-297005 | Tan | 5 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-29707.5 | Brown | 7.5 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-297010 | Red | 10 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-297015 | Blue | 15 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-297020 | Yellow | 20 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-297025 | Natural | 25 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-297030 | Green | 30 | 0.39 | 0.38 | 0.36 | 0.34 |

Littelfuse® Maxi Style Automotive Slo-Blo® Fuses



- Provides higher range of amperage ratings than standard mini ATM and ATC/ATO fuses •Used in high current demand automotive circuits •Popular in high-end and competition autosound systems •Readily identifiable and easily replaced •UL listed •Color coded for easy identification •Overall dimensions: 1.15" x 1.35", including blades •All values rated 32V

| Order # | Color | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|-----------|---------|------|--------|---------|---------|----------|
| 28-299020 | Yellow | 20 | \$1.09 | \$1.07 | \$1.01 | \$0.96 |
| 28-299030 | Green | 30 | 1.09 | 1.07 | 1.01 | 0.96 |
| 28-299040 | Orange | 40 | 1.09 | 1.07 | 1.01 | 0.96 |
| 28-299050 | Red | 50 | 1.09 | 1.07 | 1.01 | 0.96 |
| 28-299060 | Blue | 60 | 1.09 | 1.07 | 1.01 | 0.96 |
| 28-299080 | Natural | 80 | 1.09 | 1.07 | 1.01 | 0.96 |

Littelfuse® 3AB Ceramic Slo-Blo® 1 1/4" x 1/4"

- UL listed, CSA certified through 12A (250V); UL recognized 15-30A (125V) •Five fuses per package

| Order # | A/R* | Price Per Package | | |
|---------|------|-------------------|----------|----------|
| | | (1-19) | (20-199) | (200-up) |
| 326002 | 2 | \$6.34 | \$5.69 | \$4.11 |
| 326004 | 4 | 4.09 | 3.69 | 3.15 |
| 326008 | 8 | 4.09 | 3.69 | 3.15 |
| 326012 | 12 | 4.09 | 3.69 | 3.15 |
| 326030 | 30 | 4.09 | 3.69 | 3.15 |

Littelfuse® 1 1/4" x 1/4" Fast-Acting Fuses

- 312 Series, standard size general purpose glass fuses •3AG rated fast blow •UL listed and CSA certified on models up to 30A •250V ≤10A •32V ≥12A •% of rating before opening: •110%: 4 hours minimum •135%: 1 hour maximum •200%: ≤10A 5 seconds maximum •200%: ≥12A: 10 seconds maximum •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|-------|--------|---------|---------|----------|
| 28-312.062 | 0.062 | \$0.69 | \$0.68 | \$0.64 | \$0.61 |
| 28-312.100 | 0.1 | 0.69 | 0.68 | 0.64 | 0.61 |
| 28-312.150 | 0.15 | 0.69 | 0.68 | 0.64 | 0.61 |
| 28-312.200 | 0.2 | 0.69 | 0.68 | 0.64 | 0.61 |
| 28-312.125 | 0.125 | 0.69 | 0.68 | 0.64 | 0.61 |
| 28-312.300 | 0.3 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-312.500 | 0.5 | 0.29 | 0.28 | 0.26 | 0.25 |
| 28-312.750 | 0.75 | 0.29 | - | - | - |
| 28-312.125 | 1.25 | 0.19 | 0.19 | 0.18 | 0.16 |
| 28-31201.5 | 1.5 | 0.19 | 0.19 | 0.18 | - |
| 28-31201.6 | 1.6 | 0.19 | 0.19 | 0.18 | 0.16 |
| 28-3121.75 | 1.75 | 0.19 | 0.19 | 0.18 | 0.16 |
| 28-31202.5 | 2.5 | 0.19 | - | - | - |
| 28-31200.4 | 4 | 0.29 | 0.28 | 0.26 | 0.25 |
| 28-31200.8 | 8 | 0.39 | 0.38 | - | - |
| 28-31201.5 | 15 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-31202.0 | 20 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-31203.0 | 30 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-31203.5 | 35 | 0.39 | 0.38 | 0.36 | 0.34 |

Littelfuse® 20mm x 5mm Fast-Acting Fuses

- 235 Series, miniature general purpose glass fuses •Fast blow •Designed to UL/CSA/ANCE 248 Standard •250V ≤3A •125V ≥4A •% of rating before opening: •110%: 4 hours minimum •135%: 1 hour maximum •200%: 5 seconds maximum •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|-------|--------|---------|---------|----------|
| 28-235.100 | 0.1 | \$0.49 | \$0.47 | \$0.44 | \$0.42 |
| 28-235.125 | 0.125 | 0.49 | 0.47 | 0.44 | - |
| 28-235.250 | 0.25 | 0.49 | 0.47 | 0.44 | 0.42 |
| 28-235.300 | 0.3 | 0.49 | 0.47 | 0.44 | 0.42 |
| 28-235.400 | 0.4 | 0.49 | 0.47 | 0.44 | 0.42 |
| 28-235.600 | 0.6 | 0.29 | 0.28 | 0.26 | 0.25 |
| 28-235.700 | 0.7 | 0.29 | 0.28 | 0.26 | 0.25 |
| 28-235.800 | 0.8 | 0.29 | 0.28 | 0.26 | 0.25 |
| 28-23501.6 | 1.6 | 0.29 | 0.28 | 0.26 | 0.25 |
| 28-23500.4 | 4 | 0.29 | 0.28 | 0.26 | 0.25 |



Order Toll Free
1-800-543-4330

Fax
1-800-765-6960

229

Surface Mount Fuse Kit

SFT (SMD) TRON® surface mount fuses. Size: 6.1mm (L) x 2.6mm (W) x 2.6mm (H). **Specifications:** •Solid matrix type •Voltage rating: 125V AC/DC and less •Electrical characteristics: 100% - 240 minutes minimum, 250% - 5 seconds maximum •Approvals: UL, CSA. Kit contains ten each of the following values: .75A, 1A, 1.5A, 2A, 3A and 4A. Packaged in a labeled plastic case for easy identification.



| Order # | (kit) |
|---------|---------|
| 102-053 | \$42.22 |

Littelfuse®



20mm x 5mm Slo-Blo® Fuses

•239 Series •Popular miniature time lag fuses •Designed to UL/CSA/ANCE 248 standard •250V ≤3A •125V ≥4A •% of ampere opening: •110%: 4 hours minimum •135%: 1 hour maximum •200%: 5 seconds minimum, 2 minutes maximum •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|------|--------|---------|---------|----------|
| 28-239.200 | 0.2 | \$0.79 | \$0.77 | \$0.73 | \$0.69 |
| 28-239.250 | 0.25 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-239.400 | 0.4 | 0.79 | - | - | - |
| 28-239.500 | 0.5 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-239001 | 1 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-239002 | 2 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-239004 | 4 | 0.59 | 0.58 | 0.55 | 0.52 |

Littelfuse®



20mm x 5mm Slo-Blo® Fuses

•213 Series, miniature general purpose glass fuses •Meets IEC 60127-2 Sheet 3 Specification for time lag fuses •Designed to international IEC standards for use globally •All values 250V •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|-------|--------|---------|---------|----------|
| 28-218.100 | 0.1 | \$0.79 | \$0.77 | \$0.73 | \$0.69 |
| 28-218.125 | 0.125 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-218.200 | 0.2 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-218.315 | 0.315 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-218.400 | 0.4 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-218.630 | 0.63 | 0.69 | 0.68 | 0.64 | 0.61 |
| 28-218.800 | 0.8 | 0.69 | 0.68 | 0.64 | 0.61 |
| 28-2181.25 | 1.25 | 0.69 | 0.68 | 0.64 | 0.61 |

Littelfuse®



1 1/4" x 1/4" Slo-Blo® Pigtail Fuses

•315 Series, standard size general purpose glass fuses •Attached 1.5" tinned copper leads greatly ease PC board mounting •3AG rated slow blow •All listed values are UL listed and CSA certified •% of rating before opening: •110%: 4 hours minimum •135%: 1 hour maximum •200%: 5 seconds minimum •All values 250V •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|------|--------|---------|---------|----------|
| 28-315.250 | 0.25 | \$0.89 | \$0.88 | \$0.82 | \$0.78 |
| 28-315.500 | 0.5 | 0.89 | 0.88 | 0.82 | 0.78 |
| 28-315001 | 1 | 0.89 | 0.88 | 0.82 | 0.78 |
| 28-31501.5 | 1.5 | 0.89 | - | - | - |
| 28-315002 | 2 | 0.89 | 0.88 | 0.82 | 0.78 |
| 28-315003 | 3 | 0.89 | 0.88 | 0.82 | 0.78 |
| 28-315004 | 4 | 0.89 | 0.88 | 0.82 | 0.78 |
| 28-315005 | 5 | 0.89 | 0.88 | 0.82 | 0.78 |

Littelfuse®



1 1/4" x 1/4" Fast Acting Pigtail Fuses

•318 Series, standard size general purpose glass fuses •3AG rated fast blow •UL listed and CSA certified on all listed models •250V •% of rating before opening: •110%: 4 hours minimum •135%: 1 hour maximum •200%: 10 seconds maximum •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|------|--------|---------|---------|----------|
| 28-318.250 | 0.25 | \$0.69 | \$0.68 | \$0.64 | \$0.61 |
| 28-318.750 | 0.75 | 0.69 | 0.68 | 0.64 | 0.61 |
| 28-318001 | 1 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-318002 | 2 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-31802.5 | 2.5 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-318003 | 3 | 0.59 | - | - | - |
| 28-318004 | 4 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-318005 | 5 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-318006 | 6 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-318007 | 7 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-318008 | 8 | 0.59 | 0.58 | 0.55 | 0.52 |

Littelfuse®



1 1/4" x 1/4" Slo-Blo® Fuses

•313 Series, standard size general purpose glass fuses •3AG rated slow blow •UL listed and CSA certified on models up to 8A •250V ≤8A •32V ≥10A •% of rating before opening: •110%: 4 hours minimum •135%: 1 hour maximum •200%: 5 seconds minimum •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|------|--------|---------|---------|----------|
| 28-313.100 | 0.1 | \$1.29 | \$1.27 | \$1.19 | \$1.13 |
| 28-313.150 | 0.15 | 1.29 | 1.27 | 1.19 | 1.13 |
| 28-313.200 | 0.2 | 1.29 | 1.27 | 1.19 | 1.13 |
| 28-313.250 | 0.25 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313.300 | 0.3 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313.400 | 0.4 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313.500 | 0.5 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313.600 | 0.6 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313.750 | 0.75 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313.800 | 0.8 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313001 | 1 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-3131.25 | 1.25 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-31302.5 | 2.5 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-31303.2 | 3.2 | 0.59 | 0.58 | - | - |
| 28-313004 | 4 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-313007 | 7 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-313008 | 8 | 0.59 | 0.58 | 0.55 | 0.52 |
| 28-313010 | 10 | 0.79 | 0.77 | - | - |
| 28-313012 | 12 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313020 | 20 | 0.79 | 0.77 | 0.73 | 0.69 |
| 28-313025 | 25 | 0.79 | 0.77 | 0.73 | 0.69 |

Littelfuse®



PICO® II Very Fast Acting Subminiature Fuses

•251 Series PC board mount fuse •Designed to meet an extensive array of performance characteristics in a subminiature package •Fully encapsulated epoxy coated body •Solder tinned copper wire leads •Dimensions: 0.28" (L) x 0.095" (dia.) •UL listed and CSA certified •% of rating before opening: •100%: 4 hours minimum •200%: ≤7A 1 second maximum •200%: 10A 3 seconds maximum •200%: ≥12A 10 seconds maximum •All values shown 250V, except 15A which is 32V •Sold individually

| Order # | Amps | (1-24) | (25-49) | (50-99) | (100-up) |
|------------|-------|--------|---------|---------|----------|
| 28-251.062 | 0.062 | \$0.99 | \$0.97 | \$0.92 | \$0.87 |
| 28-251.375 | 0.375 | 0.49 | 0.47 | 0.44 | 0.42 |
| 28-251.750 | 0.75 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-25101.5 | 1.5 | 0.39 | 0.38 | 0.36 | - |
| 28-251010 | 10 | 0.39 | 0.38 | 0.36 | 0.34 |
| 28-251015 | 15 | 0.49 | 0.47 | 0.44 | 0.42 |

ATE Slow Blowing-1 1/4" x 1/4"

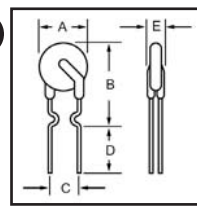


•250V •Five per box

| Order # | A/R* | Order # | A/R* | Order # | A/R* |
|---------|------|---------|------|---------|------|
| 28-343 | 1A | 28-348 | 2A | 28-350 | 3A |
| 28-345 | 1.5A | 28-349 | 2.5A | 28-353 | 4A |
| | | | | 28-355 | 5A |

\$1.57(1-19 bxs) . . \$1.51(20-199 bxs) . . \$1.35(200 bxs-up)

Littelfuse® Auto Reset PTC Fuses



60R Series devices utilize a unique polymer based, positive temperature coefficient (PTC) material to protect against over current conditions. In normal operation the PTC has numerous parallel conductive paths, resulting in very low resistance. In an over current condition, the number of conductive paths is dramatically reduced, resulting in an immediate rise in resistance. Once the over current condition is eliminated, the PTC cools and resets to a low resistance. These devices are very popular for PC board-level protection as well as loudspeaker crossover design. •Nominal continuous rating is listed as hold amps •Unit will instantly trip when load reaches 2x hold amp rating •Minimum resistance is un tripped series resistance rating, at ambient temperature of 20°C •Dimension "D" is 0.30", dimension "E" is 0.12".

| Order # | Hold Amps | Min Resistance | Dimensions (inches) | | | (1-24) | (25-49) |
|-----------|-----------|----------------|---------------------|------|------|--------|---------|
| | | | A | B | C | | |
| 28-60R010 | 0.10 | 2.50 Ω | 0.29 | 0.50 | 0.20 | \$0.59 | \$0.58 |
| 28-60R025 | 0.25 | 1.25 Ω | 0.29 | 0.50 | 0.20 | 0.59 | 0.58 |
| 28-60R040 | 0.40 | 0.55 Ω | 0.30 | 0.53 | 0.20 | 0.59 | 0.58 |
| 28-60R050 | 0.50 | 0.50 Ω | 0.30 | 0.54 | 0.20 | 0.59 | 0.58 |
| 28-60R075 | 0.75 | 0.25 Ω | 0.41 | 0.60 | 0.20 | 0.59 | 0.58 |
| 28-60R135 | 1.35 | 0.12 Ω | 0.57 | 0.77 | 0.20 | 0.69 | 0.68 |
| 28-60R160 | 1.60 | 0.09 Ω | 0.64 | 0.84 | 0.20 | 0.69 | 0.68 |
| 28-60R185 | 1.85 | 0.08 Ω | 0.70 | 0.90 | 0.20 | 0.69 | 0.68 |
| 28-60R250 | 2.50 | 0.05 Ω | 0.84 | 1.04 | 0.40 | 0.69 | - |

Maxi Style Fuses



Popular in demanding autosound installations, these fuses provide current ratings necessary for today's competition sound systems. Similar in appearance to conventional blade styles, these oversized blade-style fuses are available with current ratings up to 120A. **Dimensions:** •Plastic body: 0.85" (H) x 1.15" (W) x 0.35" (D) •Overall: 1.35" (H) x 1.15" (W) x 0.35" (D) •Blade size (each): 0.50" (H) x 0.32" (W) x 0.032" (D) •Sold in packages of five.

| Order # | Amps | (1-3 pkgs.) | (4 pkgs.-up) |
|---------|------|-------------|--------------|
| 60-3780 | 20A | \$3.99 | \$3.49 |
| 60-3781 | 30A | 3.99 | 3.49 |
| 60-3782 | 40A | 3.99 | 3.49 |
| 60-3783 | 50A | 3.99 | 3.49 |
| 60-3784 | 60A | 3.99 | 3.49 |
| 60-3785 | 70A | 3.99 | 3.49 |
| 60-3786 | 80A | 3.99 | 3.49 |
| 60-3787 | 100A | 3.99 | 3.49 |
| 60-3788 | 120A | 3.99 | 3.49 |

Ceramic-1 1/4" x 1/4"



•For microwaves and other small appliances •250V •Five per box

| Order # | A/R* | Order # | A/R* | Order # | A/R* |
|---------|------|---------|------|---------|------|
| 28-0205 | 10A | 28-0210 | 15A | 28-0220 | 25A |
| 28-0208 | 12A | 28-0215 | 20A | 28-0225 | 30A |

\$2.66(1-19 bxs) . . \$2.48(20-199 bxs) . . \$2.20(200 bxs-up)

UL Listed GMA-20mm x 5mm



•250V •Five per box

| Order # | A/R* | Order # | A/R* |
|---------|------|---------|-------|
| 28-0464 | 1.6A | 28-0471 | 3.15A |

\$1.83(1-19 bxs) . . \$1.67(20-199 bxs) . . \$1.40(200 bxs-up)

COOPER

Busmann

HHB Series In-Line Universal Fuse Holders



Versatile nylon fuse holders for dry environments. Designed for 1/8" diameter x 1/8" to 1/4" fuses. Accept #12 to #18 gauge wire. Rated 30A @ 32V. **HHB-R408** has red, 8" (203.20) #14 leads.

| Order # | Type | (1-9) | (10-49) | (50-up) |
|---------|----------|--------|---------|---------|
| 28-6435 | HHB-R408 | \$1.53 | \$1.36 | \$1.15 |

Pigtail Fuse Kit

MCM fuse assortment contains popular pigtail fuses. Save money over purchasing separately and have fuses in convenient storage box. Kit contains popular values of 1/4" x 1/4" fast and slow acting, 5mm x 20mm fast and slow acting, and 5mm x 15mm slow acting fuses. Kit contains 15 each of pigtail 1A fast acting and 2A slow acting. Kit also contains 30 each 5mm x 20mm fast acting fuses and two types of 2A slow acting fuses. Kit also contains 30 pieces of 5mm x 15mm 1A slow acting fuse.



| Order # | (kit) |
|---------|---------|
| 102-042 | \$34.95 |

Fuse Holder Kit

MCM fuse holder assortment contains popular versions of 5mm x 20mm and 1 1/4" x 1/4" fuse holders. Save money over purchasing separately and have fuse holders stored in convenient container. **Kit**



contains: Two each of the following: 1 1/4" x 1/4" screw knob panel mount, 1 1/4" x 1/4" bayonet knob panel mount, 1 1/4" x 1/4" bayonet knob push panel mount, 1 1/4" x 1/4" screw driver knob panel mount. Three each of the following: 1 1/4" x 1/4" bayonet knob panel mount, 1 1/4" x 1/4" bayonet knob panel mount. Five each of the following: 5mm x 20mm bayonet knob panel mount, 5mm x 20mm screw knob panel mount, 5mm x 20mm bayonet knob vertical PC mount and 5mm x 20mm bayonet knob horizontal PC mount.

| Order # | (kit) |
|---------|---------|
| 102-049 | \$41.16 |

Fuses

Fuse Assortment

MCM fuse assortment contains popular automotive and electronic fuses. Save money over purchasing separately and have fuses in convenient storage box. Kit contains popular values of 5 x 20mm, auto blade, auto mini blade, and 1 1/4" x 1/4" fuses. Kit contains 20 each of the following UL listed 5mm x 20mm fast acting fuses: 1A, 1.6A, 2A, 2.5A, 3A, and 5A. Also contains 5 each of the following automotive blade fuses: 5A, 10A, 15A, 20A, 25A, and 30A. Also contains 10 each of the following automotive mini blade fuses: 5A, 10A, 15A, 20A, 25A and 30A. Also contains 10 each of the following UL listed 1 1/4" x 1/4" fast acting fuses: 1A, 3A, 5A, 7A, 10A and 15A.

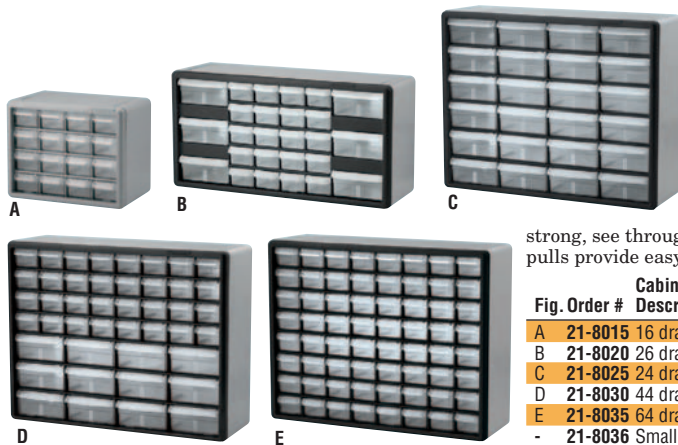


| Order # | (kit) |
|---------|---------|
| 102-037 | \$30.86 |

Audio Lamp Kit

• Save 12% off list price on this kit which features popular audio lamps used in the repair of amplifiers, tuners and tape decks
Kit contains five each of:

| Refill # | Description | Voltage | Current |
|----------|---------------------------|---------|---------------|
| 25-080 | Fuse type | 6V | 250mA |
| 25-090 | Fuse type | 8V | 250mA |
| 25-100 | Fuse type | 12V | 150mA |
| 25-130 | Fuse type | 6.3V | 70mA |
| 25-140 | Sub miniature | 8V | 70mA |
| 25-150 | Sub miniature | 12V | 70mA |
| 25-160 | Sub mini stereo indicator | 8V | 35mA |
| 25-485 | Sub mini stereo indicator | 6.3V | 35mA |
| 25-490 | Sub mini stereo indicator | 12V | 35mA |
| 25-495 | Grain of wheat | 6.3V | 35mA |
| 25-500 | Grain of wheat | 8V | 35mA |
| 25-505 | Grain of wheat | 12V | 35mA |
| #102-007 | | | \$23.64 (kit) |



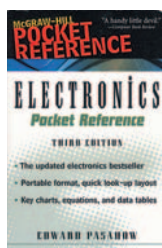
AKRO-MILS Storage Cabinets

• Strong plastic cabinets organize and protect components • A variety of drawer configurations provide versatile storage solutions
• Cabinets stack securely and are wall mountable • Flexible, strong, see through drawers • Finger grip drawer pulls provide easy access • Dividers sold separately

| Fig. Order # | Description | Dimensions (L) x (H) x (W) | (ea.) | (2-up) |
|--------------|----------------|----------------------------|---------|---------|
| A 21-8015 | 16 drawer | 10 1/4" x 8 1/2" x 6 1/2" | \$14.49 | \$13.32 |
| B 21-8020 | 26 drawer | 20" x 10 1/2" x 6 1/2" | 20.95 | 19.19 |
| C 21-8025 | 24 drawer | 20" x 15 1/2" x 6 1/2" | 25.95 | 24.49 |
| D 21-8030 | 44 drawer | 20" x 15 1/2" x 6 1/2" | 26.95 | 25.50 |
| E 21-8035 | 64 drawer | 20" x 15 1/2" x 6 1/2" | 29.95 | 28.15 |
| - 21-8036 | Small dividers | 16 per package | 2.99 | 2.56 |
| - 21-8037 | Large dividers | 6 per package | 2.99 | 2.56 |

Electronics Pocket Reference (3rd Edition)

Filled with definitions, formulas, tables and diagrams that supply helpful solutions to electronic problems. 550 pages, soft cover.

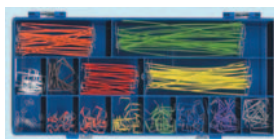


| Order # | (ea.) |
|---------|---------|
| 81-3157 | \$29.95 |

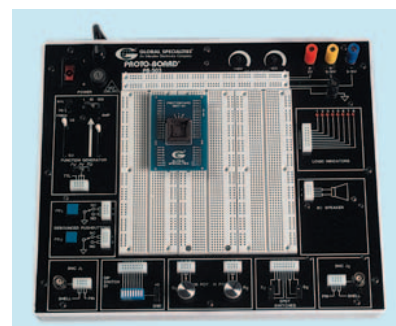
ELENCO

Jumper Wire Kit

Contains 350 lengths of pre-stripped, pre-formed #22 solid wire in various colors. 14 different lengths of 25 pieces each. Contained in a large 14 compartment plastic case. Dimensions: 5" (H) x 10 1/2" (W) x 1 1/4" (D).



| Order # | (1-4 kits) | (5 kits-up) |
|---------|------------|-------------|
| 102-155 | \$12.95 | \$11.28 |



GLOBAL SPECIALTIES Proto-Board Bench-Top Work Station

LIFETIME WARRANTY

• Ideal for analog, digital and microprocessor circuits
• Eight channel logic monitor • Function generator with continuously variable sine, square and triangle wave-forms and TTL pulses • Triple output power supply offers fixed 5VDC plus two variable outputs
• Two digital pulsers • Audio experimentation speaker • Multiple features in one complete test instrument
Specifications: Power:
• Input: 3 wire AC line input 117V, 60Hz • Fixed DC output: +5V, 1.0A, <5mV ripple • Variable DC output: ±1.3V~±15V, 0.5A, <5mV ripple
Function generator:
• Frequency range: 0.1Hz~100KHz in six ranges • Output voltage: 0 ±10V (20V p-p) • Output impedance: 600ohm (except TTL) • Output current: 10mA maximum
General:
• Dimensions: 16" (W) x 16 1/2" (H) x 11 1/2" (D) • Weight: 7 lbs. • Lifetime warranty on all bread boarding sockets and three years on all parts and workmanship

| Order # | Mfr. # | (ea.) |
|---------|--------|----------|
| 21-4480 | PB-503 | \$299.99 |

