

Leaded Aluminum Electrolytic Capacitors
YK Series, Specifications



Miniature Aluminum electrolytic Capacitors

Aluminum electrolytic capacitors are small in size, large in capacity and highly resistant to overvoltage and reverse voltage as compared with other capacitors. Capacitors of this type are used in wide applications ranging from computers and navigation systems requiring high performance and high reliability to AV (Audio & Visual) equipment, camera flashes, etc.

Part Number Determination

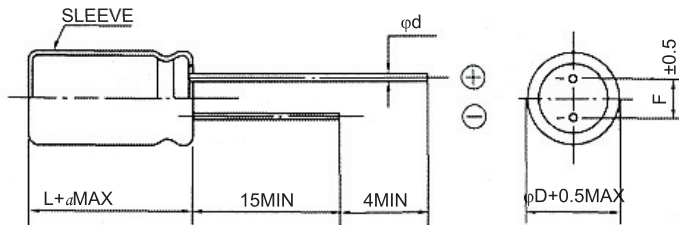
16YK10M5X11				
16	YK	10	M	5X11
Rated Voltage	Series	Rated Capacitance	Tolerance	Case Size (mm)
10=10V 16=16V 25=25V 35=35V 50=50V	YK=Leaded Miniature Aluminum Electrolytic Capacitors	10=10uF 22=22uF 33=33uF 47=47uF 100=100uF 220=220uF 330=330uF 470=470uF 1000=1000uF 2200=2200uF 3300=3300uF 4700=4700uF 6800=6800uF 10000=10000uF	M=±20%	5X11 6.3X11 8X11.5 10X16 10X20 12.5X20 16X25 16X35.5 18X40



Electrical Characteristics

Capacitance Range: 0.1µF to 10,000µF
Rated Voltage: 10V to 50V
Capacitance Tolerance: ±20%(120Hz, +20°C)
Operating Temp Range: -40 to +85°C

Package Dimensions (mm)



D	6.3	8	10	12.5	16	18
d	0.5	0.6			0.8	
F	2.5	3.5	5.0		7.5	
a	WV≤100:1.5 WV≥160:2.0				2.0	



Mfg Specs

- Go to www.garrettelec.com
- Enter part number or find by description
- Select "S", select "manufacturer's specifications"



**Leaded Aluminum Electrolytic Capacitors
YK Series, Specifications & Pricing**



Electrical Characteristics

Cap(uF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		100 (2A)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											5x11	1.1		
0.15											5x11	1.5		
0.22											5x11	2.5		
0.33											5x11	4		
0.47											5x11	7	5x11	8
1											5x11	13	5x11	16
2.2											5x11	23	5x11	35
3.3											5x11	35	5x11	45
4.7											5x11	41	5x11	50
10											5x11	60	5x11	75
22									5x11	90	5x11	95	6.3x11	135
33							5x11	98	5x11	110	5x11	130	8x11.5	185
47					5x11	115	5x11	120	5x11	135	6.3x11	160	10x12.5	235
100	5x11	135	5x11	140	5x11	175	5x11	185	6.3x11	215	8x11.5	270	10x20	380
220	5x11	220	5x11	230	6.3x11	280	6.3x11	310	8x11.5	370	10x12.5	435	12.5x25	629
330	6.3x11	280	6.3x11	310	8x11.5	380	8x11.5	410	10x12.5	500	10x16	590	12.5x25	760
470	6.3x11	360	6.3x11	400	8x11.5	460	10x12.5	550	10x16	680	10x20	760	16x25	950
1000	8x11.5	590	10x12.5	660	10x16	800	10x20	970	12.5x20	1180	12.5x25	1350	18x40	1350
2200	10x16	920	10x20	1090	12.5x20	1320	12.5x25	1570	16x25	1810	16x35.5	2110		
3300	10x20	1200	12.5x20	1440	12.5x25	1670	16x25	2000	16x35.5	2300	18x35.5	2540		
4700	12.5x20	1550	12.5x25	1800	16x25	2120	16x31.5	2440	18x35.5	2740				
6800	12.5x25	1920	16x25	2250	16x31.5	2540	18x35.5	2900						
10000	16x25	2370	16x35.5	2710	18x35.5	2950								
15000	16x35.5	2880	18x35.5	3110										
22000	18x40	3350												

Pricing

Leaded Aluminum Electrolytic Capacitors YK Series ±20%

Part Number	Value	Voltage	Price Each						Full Pkg	
			10-	25-	50-	100-	200-/500-/600-	1000-	2000-/3000-	
50YK0.1M5X11	0.1uF	50V	0.4500	0.2300	0.1400	0.0990	0.0450	0.0320	0.0230	
50YK0.22M5X11	0.22uF	50V	0.4000	0.2000	0.1300	0.0870	0.0400	0.0280	0.0200	
50YK0.47M5X11	0.47uF	50V	0.3800	0.1900	0.1200	0.0830	0.0380	0.0270	0.0190	
50YK1M5X11	1.0uF	50V	0.3100	0.1500	0.1000	0.0680	0.0310	0.0220	0.0150	
50YK2.2M5X11	2.2uF	50V	0.3000	0.1500	0.0900	0.0650	0.0300	0.0210	0.0150	
50YK4.7M5X11	4.7uF	50V	0.3000	0.1500	0.0900	0.0650	0.0300	0.0210	0.0150	
100YK10M5X11	10uF	100V	0.3700	0.1900	0.1200	0.0810	0.0370	0.0270	0.0190	
50YK22M5X11	22uF	50V	0.3300	0.1700	0.1100	0.0730	0.0330	0.0240	0.0170	
50YK33M5X11	33uF	50V	0.3700	0.1900	0.1200	0.0810	0.0370	0.0270	0.0190	
35YK47M5X11	47uF	35V	0.3700	0.1900	0.1200	0.0810	0.0370	0.0270	0.0190	
50YK47M6.3X11	47uF	50V	0.4000	0.2300	0.1400	0.0990	0.0360	0.0300	0.0226	
25YK100M5X11	100uF	25V	0.3700	0.1900	0.1200	0.0810	0.0370	0.0270	0.0190	
50YK100M8X11.5	100uF	50V	0.2900	0.1700	0.1300	0.0830	0.0480	0.0420	0.0369	
25YK220M6.3X11	220uF	25V	0.4300	0.2400	0.1500	0.1060	0.0390	0.0320	0.0243	
50YK220M10X12.5	220uF	50V	0.3400	0.2100	0.1400	0.1110	0.0700	0.0630		
25YK330M8X11.5	330uF	25V	0.3200	0.1900	0.1500	0.0940	0.0540	0.0470	0.0417	
50YK330M10X16	330uF	50V	0.3800	0.2400	0.1900	0.1540	0.0940	0.0860		
16YK470M8X11.5	470uF	16V	0.2900	0.1700	0.1300	0.0830	0.0480	0.0420	0.0369	
50YK470M10X20	470uF	50V	0.3600	0.3100	0.2600	0.2210	0.1600	0.1250	0.1120	
25YK1000M10X16	1000uF	25V	0.3600	0.2500	0.2000	0.1670	0.1040	0.0930		
50YK1000M12.5X25	1000uF	50V	0.4500	0.3300	0.3300	0.2730	0.2310	0.2140		
16YK2200M12.5X20	2200uF	16V	0.4100	0.2600	0.2200	0.1800	0.1460	0.1360		
50YK2200M16X35.5	2200uF	50V	0.7000	0.6100	0.5600	0.5390	0.5080			
25YK3300M16X25	3300uF	25V	0.5600	0.5000	0.4500	0.4010	0.3230			
50YK3300M18X35.5	3300uF	50V	0.8000	0.7300	0.6700	0.6310	0.5950			
16YK4700M16X25	4700uF	16V	0.5600	0.5000	0.4500	0.4010	0.3230			
10YK6800M16X25	6800uF	10V	0.5600	0.5000	0.4500	0.4010	0.3230			
16YK10000M16X35.5	10000uF	16V	0.7000	0.6100	0.5600	0.5380	0.5070			

