



■ Features :

- Universal AC input / Full range
- 2 pole AC inlet IEC320-C8
- Class II power (without earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- RCC control circuit and regulated
- LED indicator for power on
- Approvals: UL / CUL / TUV / BSMI / CCC / CB / FCC / CE
- 1 year warranty

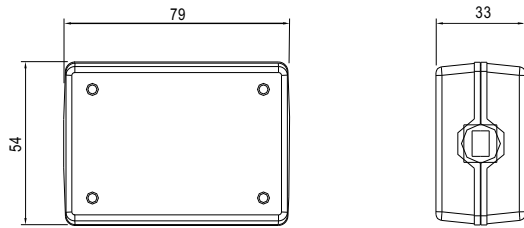
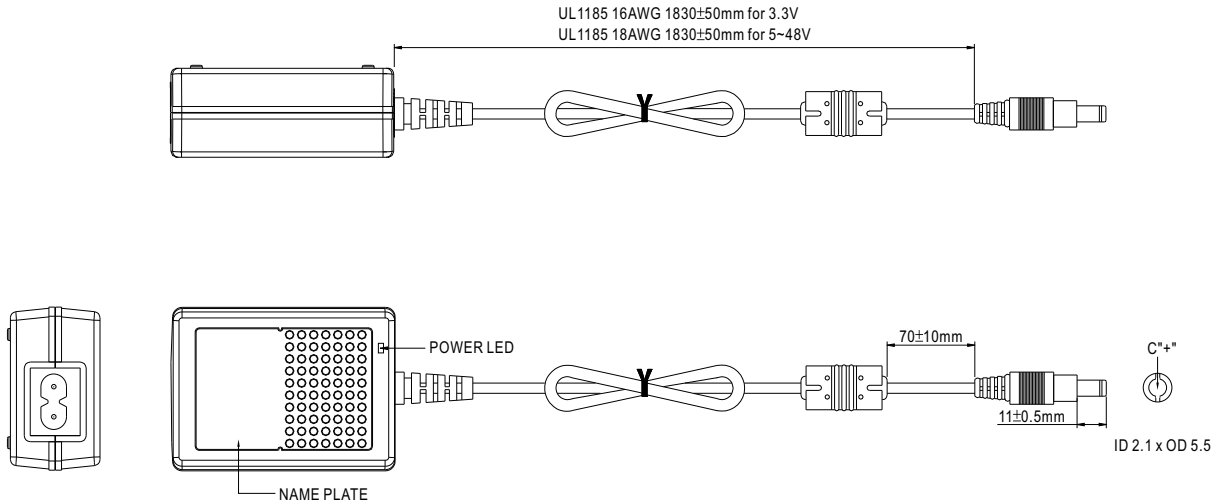


SPECIFICATION

| ORDER NO. | ES18B03-P1J | ES18B05-P1J | ES18B07-P1J | ES18B09-P1J | ES18B12-P1J | ES18B15-P1J | ES18B18-P1J | ES18B24-P1J | ES18B28-P1J | ES18B48-P1J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--------------|-------------|--------------|-------------------------------|-------------|-------------|--------------|---------------|-------------------------|---|-------------|--------------|-------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|--------------------------|---|----|------|----|-----|-----|-----|-----|-----|-----|--------------------------------|--|------|------|------|-------|-------|------|-------|-------|--------|---------------------------------------|--|------------|------------|------------|--------------|-------------|------------|-------------|--------------|---------------|------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|--|---------|---------|---------|---------|----------|----------|----------|----------|----------|---------------------------|-------|--|--|--|--|--|--|--|--|--|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|---------------------------------|--|--|--|--|--|--|--|--|--|
| OUTPUT | <table border="1"> <tr> <td>SAFETY MODEL NO.</td> <td>ES18B03-033</td> <td>ES18B05-050</td> <td>ES18B07-075</td> <td>ES18B09-090</td> <td>ES18B12-120</td> <td>ES18B15-150</td> <td>ES18B18-180</td> <td>ES18B24-240</td> <td>ES18B30-280</td> <td>ES18B48-480</td> </tr> <tr> <td>DC VOLTAGE Note.2</td> <td>3.3V</td> <td>5V</td> <td>7.5V</td> <td>9V</td> <td>12V</td> <td>15V</td> <td>18V</td> <td>24V</td> <td>28V</td> <td>48V</td> </tr> <tr> <td>RATED CURRENT</td> <td>2.72A</td> <td>3.0A</td> <td>2.0A</td> <td>2.0A</td> <td>1.50A</td> <td>1.20A</td> <td>1.0A</td> <td>0.75A</td> <td>0.64A</td> <td>0.375A</td> </tr> <tr> <td>CURRENT RANGE</td> <td>0.3 ~ 2.72A</td> <td>0.3 ~ 3.0A</td> <td>0.3 ~ 2.0A</td> <td>0.2 ~ 2.0A</td> <td>0.15 ~ 1.50A</td> <td>0.1 ~ 1.20A</td> <td>0.1 ~ 1.0A</td> <td>0.1 ~ 0.75A</td> <td>0.06 ~ 0.64A</td> <td>0.05 ~ 0.375A</td> </tr> <tr> <td>RATED POWER (max.)</td> <td>9W</td> <td>15W</td> <td>15W</td> <td>18W</td> <td>18W</td> <td>18W</td> <td>18W</td> <td>18W</td> <td>18W</td> <td>18W</td> </tr> <tr> <td>RIPPLE & NOISE (max.) Note.3</td> <td>50mVp-p</td> <td>50mVp-p</td> <td>80mVp-p</td> <td>80mVp-p</td> <td>80mVp-p</td> <td>100mVp-p</td> <td>150mVp-p</td> <td>180mVp-p</td> <td>240mVp-p</td> <td>240mVp-p</td> </tr> <tr> <td>VOLTAGE ADJ. RANGE</td> <td colspan="10">Fixed</td> </tr> <tr> <td>VOLTAGE TOLERANCE Note.4</td> <td>±5.0%</td> <td>±5.0%</td> <td>±5.0%</td> <td>±5.0%</td> <td>±3.0%</td> <td>±3.0%</td> <td>±3.0%</td> <td>±2.0%</td> <td>±2.0%</td> <td>±2.0%</td> </tr> <tr> <td>LINE REGULATION Note.5</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> <td>±1.0%</td> </tr> <tr> <td>LOAD REGULATION Note.6</td> <td>±5.0%</td> <td>±5.0%</td> <td>±5.0%</td> <td>±5.0%</td> <td>±3.0%</td> <td>±3.0%</td> <td>±3.0%</td> <td>±2.0%</td> <td>±2.0%</td> <td>±2.0%</td> </tr> <tr> <td>SETUP, RISE, HOLD UP TIME</td> <td colspan="10">300ms, 100ms, 16ms at full load</td> </tr> </table> | | | | | | | | | | SAFETY MODEL NO. | ES18B03-033 | ES18B05-050 | ES18B07-075 | ES18B09-090 | ES18B12-120 | ES18B15-150 | ES18B18-180 | ES18B24-240 | ES18B30-280 | ES18B48-480 | DC VOLTAGE Note.2 | 3.3V | 5V | 7.5V | 9V | 12V | 15V | 18V | 24V | 28V | 48V | RATED CURRENT | 2.72A | 3.0A | 2.0A | 2.0A | 1.50A | 1.20A | 1.0A | 0.75A | 0.64A | 0.375A | CURRENT RANGE | 0.3 ~ 2.72A | 0.3 ~ 3.0A | 0.3 ~ 2.0A | 0.2 ~ 2.0A | 0.15 ~ 1.50A | 0.1 ~ 1.20A | 0.1 ~ 1.0A | 0.1 ~ 0.75A | 0.06 ~ 0.64A | 0.05 ~ 0.375A | RATED POWER (max.) | 9W | 15W | 15W | 18W | 18W | 18W | 18W | 18W | 18W | 18W | RIPPLE & NOISE (max.) Note.3 | 50mVp-p | 50mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 100mVp-p | 150mVp-p | 180mVp-p | 240mVp-p | 240mVp-p | VOLTAGE ADJ. RANGE | Fixed | | | | | | | | | | VOLTAGE TOLERANCE Note.4 | ±5.0% | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% | ±2.0% | LINE REGULATION Note.5 | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | LOAD REGULATION Note.6 | ±5.0% | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% | ±2.0% | SETUP, RISE, HOLD UP TIME | 300ms, 100ms, 16ms at full load | | | | | | | | | |
| SAFETY MODEL NO. | ES18B03-033 | ES18B05-050 | ES18B07-075 | ES18B09-090 | ES18B12-120 | ES18B15-150 | ES18B18-180 | ES18B24-240 | ES18B30-280 | ES18B48-480 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DC VOLTAGE Note.2 | 3.3V | 5V | 7.5V | 9V | 12V | 15V | 18V | 24V | 28V | 48V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RATED CURRENT | 2.72A | 3.0A | 2.0A | 2.0A | 1.50A | 1.20A | 1.0A | 0.75A | 0.64A | 0.375A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CURRENT RANGE | 0.3 ~ 2.72A | 0.3 ~ 3.0A | 0.3 ~ 2.0A | 0.2 ~ 2.0A | 0.15 ~ 1.50A | 0.1 ~ 1.20A | 0.1 ~ 1.0A | 0.1 ~ 0.75A | 0.06 ~ 0.64A | 0.05 ~ 0.375A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RATED POWER (max.) | 9W | 15W | 15W | 18W | 18W | 18W | 18W | 18W | 18W | 18W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIPPLE & NOISE (max.) Note.3 | 50mVp-p | 50mVp-p | 80mVp-p | 80mVp-p | 80mVp-p | 100mVp-p | 150mVp-p | 180mVp-p | 240mVp-p | 240mVp-p | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOLTAGE ADJ. RANGE | Fixed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOLTAGE TOLERANCE Note.4 | ±5.0% | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% | ±2.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LINE REGULATION Note.5 | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOAD REGULATION Note.6 | ±5.0% | ±5.0% | ±5.0% | ±5.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±2.0% | ±2.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SETUP, RISE, HOLD UP TIME | 300ms, 100ms, 16ms at full load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INPUT | <table border="1"> <tr> <td>VOLTAGE RANGE</td> <td colspan="2">90 ~ 264VAC</td> <td colspan="8">135 ~ 370VDC</td> </tr> <tr> <td>FREQUENCY RANGE</td> <td colspan="10">47 ~ 63Hz</td> </tr> <tr> <td>EFFICIENCY (Typ.)</td> <td>55%</td> <td>70%</td> <td>72%</td> <td>72%</td> <td>74%</td> <td>77%</td> <td>78%</td> <td>80%</td> <td>81%</td> <td>82%</td> </tr> <tr> <td>AC CURRENT</td> <td colspan="10">0.5A / 100VAC</td> </tr> <tr> <td>INRUSH CURRENT (max.)</td> <td colspan="10">40A / 230VAC</td> </tr> <tr> <td>LEAKAGE CURRENT(max.)</td> <td colspan="10">0.25mA / 240VAC</td> </tr> </table> | | | | | | | | | | VOLTAGE RANGE | 90 ~ 264VAC | | 135 ~ 370VDC | | | | | | | | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | | | | | EFFICIENCY (Typ.) | 55% | 70% | 72% | 72% | 74% | 77% | 78% | 80% | 81% | 82% | AC CURRENT | 0.5A / 100VAC | | | | | | | | | | INRUSH CURRENT (max.) | 40A / 230VAC | | | | | | | | | | LEAKAGE CURRENT(max.) | 0.25mA / 240VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOLTAGE RANGE | 90 ~ 264VAC | | 135 ~ 370VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FREQUENCY RANGE | 47 ~ 63Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EFFICIENCY (Typ.) | 55% | 70% | 72% | 72% | 74% | 77% | 78% | 80% | 81% | 82% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AC CURRENT | 0.5A / 100VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INRUSH CURRENT (max.) | 40A / 230VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEAKAGE CURRENT(max.) | 0.25mA / 240VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROTECTION | <table border="1"> <tr> <td>OVERLOAD</td> <td colspan="5">110 ~ 200% rated output power</td> <td colspan="5">130 ~ 350% rated output power</td> </tr> <tr> <td></td> <td colspan="10">Protection type : Hiccup mode, recovers automatically after fault condition is removed</td> </tr> <tr> <td>OVER VOLTAGE</td> <td colspan="10">105 ~ 135% rated output voltage</td> </tr> <tr> <td></td> <td colspan="10">Protection type : Clamp by zener diode, output short</td> </tr> </table> | | | | | | | | | | OVERLOAD | 110 ~ 200% rated output power | | | | | 130 ~ 350% rated output power | | | | | | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | | | OVER VOLTAGE | 105 ~ 135% rated output voltage | | | | | | | | | | | Protection type : Clamp by zener diode, output short | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERLOAD | 110 ~ 200% rated output power | | | | | 130 ~ 350% rated output power | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVER VOLTAGE | 105 ~ 135% rated output voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Protection type : Clamp by zener diode, output short | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENVIRONMENT | <table border="1"> <tr> <td>WORKING TEMP.</td> <td colspan="10">0 ~ +50°C (Refer to output load derating curve)</td> </tr> <tr> <td>WORKING HUMIDITY</td> <td colspan="10">20% ~ 90% RH non-condensing</td> </tr> <tr> <td>STORAGE TEMP., HUMIDITY</td> <td colspan="10">-20 ~ +85°C, 10 ~ 95% RH</td> </tr> <tr> <td>TEMP. COEFFICIENT</td> <td colspan="10">±0.03% / °C (0 ~ 50°C)</td> </tr> <tr> <td>VIBRATION</td> <td colspan="10">10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes</td> </tr> </table> | | | | | | | | | | WORKING TEMP. | 0 ~ +50°C (Refer to output load derating curve) | | | | | | | | | | WORKING HUMIDITY | 20% ~ 90% RH non-condensing | | | | | | | | | | STORAGE TEMP., HUMIDITY | -20 ~ +85°C, 10 ~ 95% RH | | | | | | | | | | TEMP. COEFFICIENT | ±0.03% / °C (0 ~ 50°C) | | | | | | | | | | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORKING TEMP. | 0 ~ +50°C (Refer to output load derating curve) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORKING HUMIDITY | 20% ~ 90% RH non-condensing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STORAGE TEMP., HUMIDITY | -20 ~ +85°C, 10 ~ 95% RH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMP. COEFFICIENT | ±0.03% / °C (0 ~ 50°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAFETY & EMC (Note. 7) | <table border="1"> <tr> <td>SAFETY STANDARDS</td> <td colspan="10">UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved</td> </tr> <tr> <td>WITHSTAND VOLTAGE</td> <td colspan="10">I/P-O/P:3KVAC</td> </tr> <tr> <td>ISOLATION RESISTANCE</td> <td colspan="10">I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH</td> </tr> <tr> <td>EMI CONDUCTION & RADIATION</td> <td colspan="10">Compliance to EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254 class B</td> </tr> <tr> <td>HARMONIC CURRENT</td> <td colspan="10">Compliance to EN61000-3-2,3, GB17625.1</td> </tr> <tr> <td>EMS IMMUNITY</td> <td colspan="10">Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A</td> </tr> </table> | | | | | | | | | | SAFETY STANDARDS | UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved | | | | | | | | | | WITHSTAND VOLTAGE | I/P-O/P:3KVAC | | | | | | | | | | ISOLATION RESISTANCE | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH | | | | | | | | | | EMI CONDUCTION & RADIATION | Compliance to EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254 class B | | | | | | | | | | HARMONIC CURRENT | Compliance to EN61000-3-2,3, GB17625.1 | | | | | | | | | | EMS IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAFETY STANDARDS | UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WITHSTAND VOLTAGE | I/P-O/P:3KVAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ISOLATION RESISTANCE | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EMI CONDUCTION & RADIATION | Compliance to EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254 class B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HARMONIC CURRENT | Compliance to EN61000-3-2,3, GB17625.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CONNECTOR | <table border="1"> <tr> <td>PLUG</td> <td colspan="10">Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type, center positive for stock ; Other type available by customer requested</td> </tr> <tr> <td>CABLE</td> <td colspan="10">Standard type UL1185 6ft (with ferrite core) for stock ; Other type available by customer requested</td> </tr> </table> | | | | | | | | | | PLUG | Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type, center positive for stock ; Other type available by customer requested | | | | | | | | | | CABLE | Standard type UL1185 6ft (with ferrite core) for stock ; Other type available by customer requested | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| NOTE | <ol style="list-style-type: none"> 1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. 2.DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4.Tolerance: includes set up tolerance, line regulation, load regulation. 5.Line regulation is measured from low line to high line at rated load. 6.Load regulation is measured from 20% to 100% rated load 7.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Mechanical Specification

Unit:mm

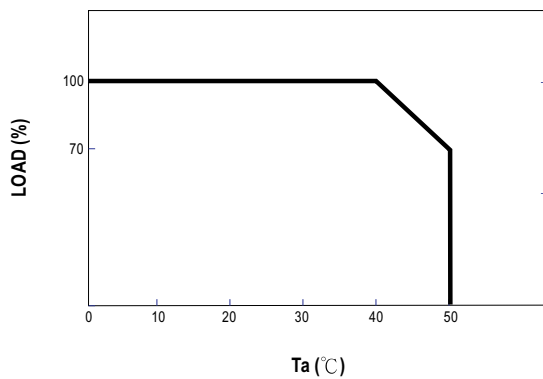


Plug Assignment

Standard plug: P1J (option)

| P1J | |
|--------|--------|
| P/N | OUTPUT |
| CENTER | + |

Derating Curve



Static Characteristics

