

MEDICAL GRADE OPEN FRAME / ENCLOSED Single Output

60 Watt Series

- A family of single output, 60Watt, medical grade switching power supplies
- Open-Frame or Enclosed versions available
- Medical standards UL 60601-1, EN 60601-1
- Conductive EMI meets CISPR/FCC Class B

SPECIFICATIONS

ELECTRICAL INPUT

Universal, 90 – 264Vac, 47 – 63Hz, Single phase

| | |
|----------------|--|
| Input current | 2.0A Max @ 115Vac 1.0A Max @ 230Vac |
| Inrush current | 40A Max@115Vac cold start 60A Max@230Vac cold start |
| Hold-Up Time | 16mS typical @ 115Vac, full rated output load. |

OUTPUT

| | |
|---|---|
| Ripple* | 1% pk-pk of output voltage measured differentially |
| Max total regulation** | 5% |
| *Ripple voltage measurement is done with an oscilloscope set at 20MHz bandwidth and output terminated with a 0.1µF ceramic capacitor and 10µF Electrolytic capacitor at full load and nominal line. | |
| **Includes line, load, temperature and set point. | |

| | |
|-------------------|-------------------------|
| EFFICIENCY | 75% typical (full load) |
|-------------------|-------------------------|

| | |
|-------------------|---|
| PROTECTION | Over-Voltage, Over-Current, Short -Circuit |
|-------------------|---|

| | |
|------------------------|-----------------|
| LEAKAGE CURRENT | Less than 300µA |
|------------------------|-----------------|

MECHANICAL

| | |
|------------------------------------|--------------------------------------|
| Input connector | Molex 5273-03A or equivalent |
| Output connector | Molex 5273-08A or equivalent |
| Case color | Silver |
| Dimensions – Open Frame (LxWxH) | 76.2mm(3")x127mm(5")x40.6mm(1.6") |
| Dimensions – With Cover (LxWxH) | 86.86mm(3.42")x127mm(5")x51mm(2.01") |
| Weight typical | 277.8 grams (Open Frame) |

ENVIRONMENTAL

| | |
|---------------------|---|
| Operating Temp. | 0°C to +50°C (at full rated output power with natural convection cooling and non-restricted environment) |
| Storage Temperature | -40°C to +70°C |
| Operating Humidity | 10 – 90% (non-condensing) |
| Storage Humidity | 5 – 95% (non-condensing) |

EMI COMPLIANCE

IEC 60601-1-2 Class B

SAFETY APPROVALS

UL (cUL) 60601-1
TUV, EN 60601-1

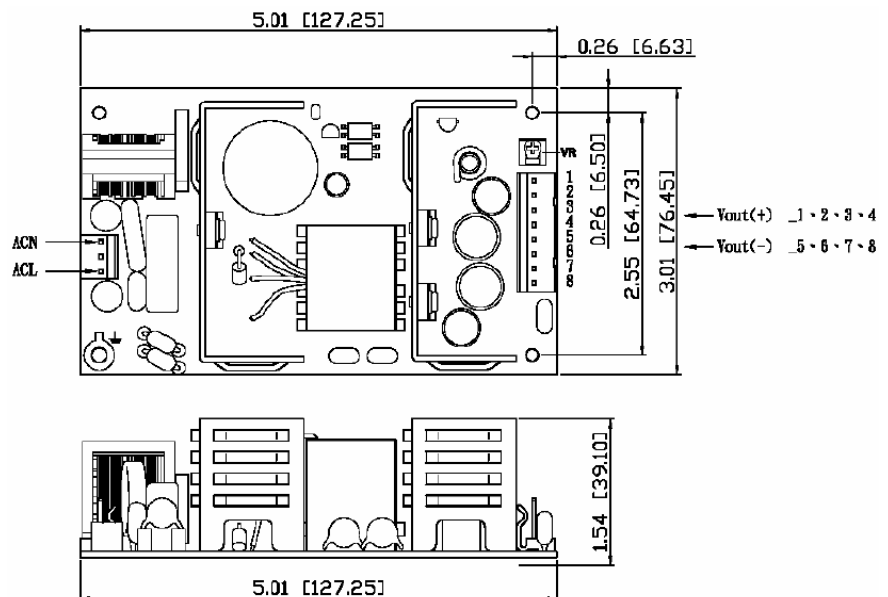


ORDERING INFORMATION

| Model Number | Input Voltage | Output Voltage | Output Current | Peak Current | Nominal Power |
|-----------------------|---------------|----------------|----------------|--------------|---------------|
| | Volts AC | Volts DC | Amps | Amps | Watts |
| OTEM-60-05(C)* | 90-264 | 5.0 | 12.0 | 15.0 | 60 |
| OTEM-60-12(C)* | 90-264 | 12.0 | 5.0 | 6.5 | 60 |
| OTEM-60-15(C)* | 90-264 | 15.0 | 4.0 | 5.0 | 60 |
| OTEM-60-24(C)* | 90-264 | 24.0 | 2.7 | 3.1 | 65 |

All units available as open frame or enclosed units.

* "C" denotes units with Cover Kits.



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