

1.6"W x 2.11"L x 0.91"H

- Universal 90-264VAC Input
- High Efficiency
- Improved EMI Performance
- 4000V Isolation
- Single and Dual Outputs
- UL60601, EN60601-1 & IEC60601-1



| Model Number | Output Voltage | Output Amps(max) | (pk) |
|----------------------|----------------|------------------|----------|
| SINGLE OUTPUT | | | |
| EFM-5000/M | 3.3 VDC | 1.25A | 1.56A |
| EFM-5001/M | 5 VDC | 1A | 1.5A |
| EFM-5002/M | 12 VDC | 0.42A | 0.63A |
| EFM-5003/M | 15VDC | 0.33A | 0.5A |
| EFM-5005/M | 24VDC | 0.23A | 0.35A |
| DUAL OUTPUT | | | |
| EFM-5006/M | +/-12VDC | +/-0.21A | +/-0.26A |
| EFM-5007/M | +/-15VDC | +/-0.17A | +/-0.21A |



5W Ultraminiature Open Frame Switching Power Supplies

EFM5 series

INPUT SPECIFICATIONS

| | |
|----------------------|----------------------------|
| Input Voltage Range | 90-264 VAC |
| Frequency Range | 47-63 Hz |
| Inrush Current, typ: | 20A@100V, 40A@200V Input * |

OUTPUT SPECIFICATIONS

| | |
|--------------------------|--|
| Voltage and Current | See Selection Chart |
| Load Regulation (20%-FL) | Singles: +/- 3%, Duals: +/- 3% |
| Line Regulation | Singles +/- 0.1~1%, typ Duals +/- 0.3~1%, typ |
| Cross Regulation (Duals) | 2% |
| Preset Accuracy | 1% |
| DC Voltage Adjust (typ) | +/- 10% of FS (Primary) |
| Temperature Coefficient | +/-0.03%/°C |
| Ripple/Noise | 100mV Pk-Pk, typ |
| Over Voltage Protection | Clamp, 130-150% * |
| Over Temp. Protection | Auto Recovery after Cooling |
| Short Circuit Protection | Continuous, self-recovering |
| Hold Up Time | 20 mS, typ |

GENERAL SPECIFICATIONS

| | |
|---------------------|--------------------------|
| Input-Out Isolation | 3KVAC, (4KVAC Medical) |
| I/P-Ground | 2500VAC |
| O/P-Ground | 1000VAC |
| Efficiency | 75%~78%, typ |
| Switching Frequency | 100Khz, (fixed, typical) |

PHYSICAL SPECIFICATIONS

| | |
|--------------|----------------------|
| Size | 1.6" x 2.11" x 0.91" |
| Construction | Open Frame |
| Weight | 1.4oz (38g) |

ENVIRONMENTAL SPECIFICATIONS

| | |
|---------------------|---------------------------------|
| Oper. Temperature | 0 to +70°C (See Derate) |
| Storage Temperature | -25 to +71°C * |
| Relative Humidity | 0 to + 95%, non-cond * |
| EMC / EMI | FCC/A, VDE 0871/A, CISPRB |
| MTBF | (Mil Std 217, 25°C) 180,000 Hrs |

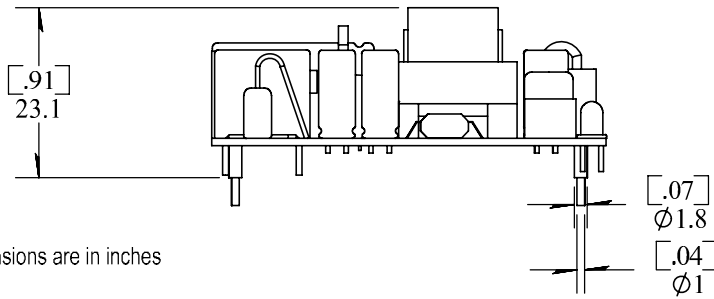
All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

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ASTRODYNE PACIFIC: 886-2-26983458**



| Pin# | Single Outputs | Dual Outputs |
|------|----------------|--------------|
| 1 | AC Line | AC Line |
| 2 | AC Neutral | AC Neutral |
| 3 | +Output | +Output |
| 4 | NC | Common |
| 5 | -Output | -Output |

