

LV020 SERIES 2W UNREGULATED



FEATURES

- SINGLE IN LINE PACKAGE
- UP TO 2W UNREGULATED OUTPUT POWER
- LOW COST
- 100% BURN IN
- HIGH EFFICIENCY
- NO HEATSINK REQUIRED
- UL 94V-0 PACKAGE MATERIAL
- INTERNAL SMD TECHNOLOGY
- RoHS COMPLIANT
- 3 YEARS WARRANTY

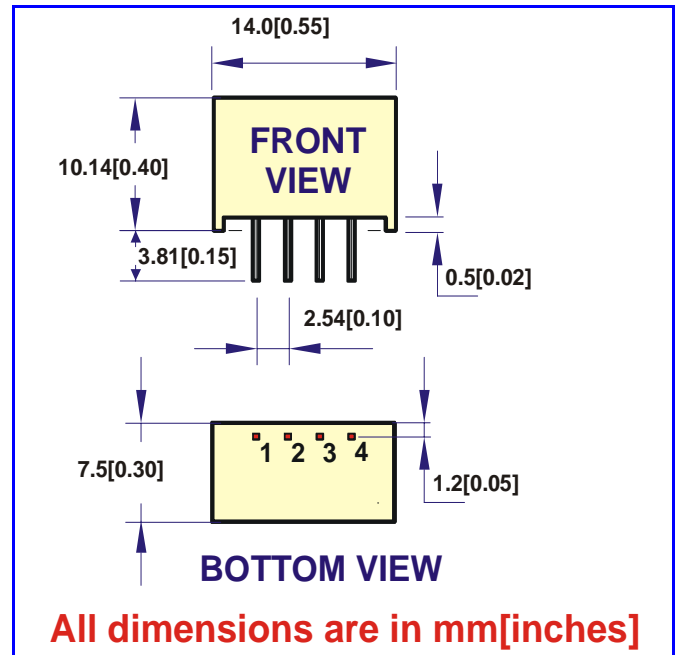


| OUTPUT SPECIFICATIONS | | INPUT SPECIFICATIONS | | GENERAL SPECIFICATIONS | |
|----------------------------|------------------|-------------------------------------|---------------------|------------------------|--------------------------|
| Voltage Set-point Accuracy | +/-2% max | Input Voltage Range | +/-10% max | Efficiency | 72% min |
| Temperature Coefficient | +/-0.05%/°C | Input Filter | Capacitor Type | Isolation Voltage | 1500 VDC min |
| Ripple & Noise(20MHz BW) | 100mVp-p max | Protection | Fuse Recommended | Isolation Resistance | 10 ⁹ ohms min |
| Line Regulation | +/-1.2% max | ENVIRONMENTAL SPECIFICATIONS | | Isolation Capacitance | 80pF max |
| Load Regulation | +/-8% max | Operating Temperature | -25°C to +71°C | Switching Frequency | 100KHz min |
| Minimum Load | 10% of Full Load | Storage Temperature | -55°C to +125°C | MTBF | >1,700,000 Hours |
| | | Cooling | Free-Air Convection | Case Material | Non-Conductive Plastic |
| | | Humidity | 95% max | Weight | 2.0g typ. |

● 2W OUTPUT

| MODEL NUMBER | INPUT (VDC) | OUTPUT | | EFF (%) | ISOLATION (VDC) |
|--------------|-------------|---------------|--------------|---------|-----------------|
| | | VOLTAGE (VDC) | CURRENT (mA) | | |
| LV020-05S05 | 5 | 5 | 400 | 77 | 1500 |
| LV020-05S09 | 5 | 9 | 222 | 79 | 1500 |
| LV020-05S12 | 5 | 12 | 167 | 80 | 1500 |
| LV020-05S15 | 5 | 15 | 133 | 82 | 1500 |
| LV013-12S3.3 | 12 | 3.3 | 400 | 72 | 1500 |
| LV020-12S05 | 12 | 5 | 400 | 78 | 1500 |
| LV020-12S09 | 12 | 9 | 222 | 78 | 1500 |
| LV020-12S12 | 12 | 12 | 167 | 81 | 1500 |
| LV020-12S15 | 12 | 15 | 133 | 85 | 1500 |
| LV020-24S05 | 24 | 5 | 400 | 78 | 1500 |
| LV020-24S09 | 24 | 9 | 222 | 78 | 1500 |
| LV020-24S12 | 24 | 12 | 167 | 81 | 1500 |
| LV020-24S15 | 24 | 15 | 133 | 77 | 1500 |

● MECHANICAL DIMENSIONS



| PIN | 1 | 2 | 3 | 4 |
|--------|------|------|-------|-------|
| SINGLE | -Vin | +Vin | -Vout | +Vout |