

| *OUTPUT VOLTAGE | OUTPUT CURRENT | OUTPUT POWER | MODEL NUMBER | | | |
|------------------------------|-------------------------------|----------------|--|--|--|--|
| | | | 4.5-9 VDC IN | 9-18 VDC IN | 18-36 VDC IN | 36-75 VDC IN |
| 5 VDC 12 VDC 15 VDC | 600 mA 250 mA 200 mA | 3W 3W 3W | TAE-3S0505H6 TAE-3S0512H6 TAE-3S0515H6 | TAE-3S1205H6 TAE-3S1212H6 TAE-3S1215H6 | TAE-3S2405H6 TAE-3S2412H6 TAE-3S2415H6 | TAE-3S4805H6 TAE-3S4812H6 TAE-3S4815H6 |
| ±5 VDC ±12 VDC ±15 VDC | ±300 mA ±125 mA ±100 mA | 3W 3W 3W | TAE-3D0505H6 TAE-3D0512H6 TAE-3D0515H6 | TAE-3D1205H6 TAE-3D1212H6 TAE-3D1215H6 | TAE-3D2405H6 TAE-3D2412H6 TAE-3D2415H6 | TAE-3D4805H6 TAE-3D4812H6 TAE-3D4815H6 |

*Special input/output combinations available.

ELECTRICAL SPECIFICATIONS

All Specifications Typical @+25°C, Nominal Line, and Full Load Unless Otherwise Noted.

INPUT SPECIFICATIONS

Input Voltage Range.....See Table
 Nominal Input.....5, 12, 24, 48 VDC
 Input Filter.....Pi Network

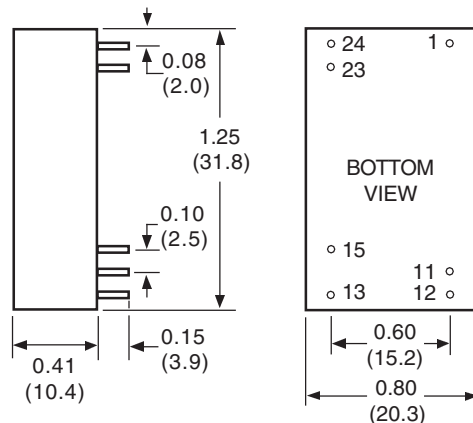
OUTPUT SPECIFICATIONS

Voltage Accuracy.....±1%, Max.
 Line Regulation.....±0.5%, Max.
 Load Regulation, 10%FL-FL.....±1%, Max.
 Ripple and Noise, 20MHz BW.....75 mVp-p, Max.
 Short Circuit Protection.....Continuous, Auto Restart
 Temperature Coefficient.....±0.02%/C, Max.

GENERAL SPECIFICATIONS

Switching Frequency.....130 kHz, Typ.
 Efficiency.....72% to 84%
 Isolation Voltage, Input to Output.....6,000 VDC
 Isolation Resistance.....10⁹ Ohms, Min.
 Isolation Capacitance.....20 pF, Max.
 Operating Temperature, No Derating.....-25°C to +75°C
 Storage Temperature Range.....-40°C to +125°C
 Cooling.....Free Air Convection
 MTBF per MIL-HDBK-217F @25°C.....1M Hours
 Safety Standards.....Meets UL 60950-1, IEC/EN 60950-1
 Conducted EMI.....Meets EN 55022 Class A
 Weight.....0.5 oz. (14 grams)
 Case Materials.....Plastic, UL 94V-0 Rated

| PIN | PIN CONNECTIONS | |
|-------|-----------------|-----------|
| | SINGLE | DUAL |
| 1 | +V Input | +V Input |
| 11 | No Pin | Common |
| 12 | -V Output | No Pin |
| 13 | +V Output | -V Output |
| 15 | No Pin | +V Output |
| 23,24 | -V Input | -V Input |



PIN SIZE: 0.02 (0.5) DIA.

ALL DIMENSIONS IN INCHES (mm)