

NEW

30 Watt

eMTC30 Series

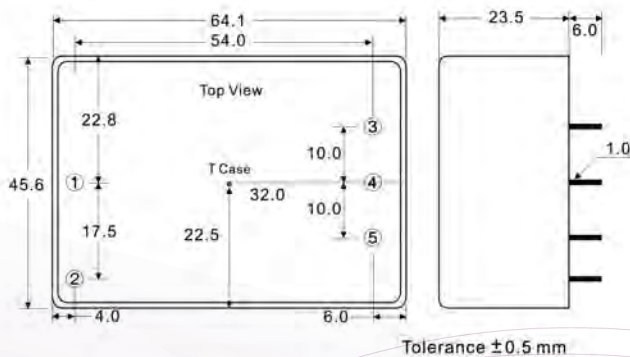
ITE Power Module



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 47-440 Hz
- ◆ <0.15W No Load Input Power
- ◆ Regulated Output and Low Ripple and Noise
- ◆ Optional with Screw Terminal
- ◆ Isolation Class II
- ◆ CE, CB, UL, cUL Approvals
- ◆ 3-Year Warranty

Input Specifications	
Voltage Range	90 ~ 264 VAC or 100 ~370 VDC
Frequency	47~440 Hz
Output Specifications	
Output Power	130 Watt (max.)
Voltage Accuracy	±2% (Full Load and Nominal Vin)
Line Regulation	±0.5% (LL to HL at Full Load) (typ.)
Load Regulation	±1% (10% to 100% at Full Load) (typ.)
Ripple & Noise (20MHz bandwidth)	5S: 100mV (max.) 12S15S: 150mV (max.) 24S: 420mV (max.)
Temperature Coefficient	±0.02% °C (max.)
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)
General Specifications	
Efficiency (see table list)	84% to 89% (typ.)
Isolation Voltage	4000 VAC or 5656VDC (min.)
Isolation Resistance	10 ⁸ Ω (Input to Output) (min.)
Operating Temperature	-40 °C to + 80°C (with Derating)
Storage Temperature	-40 °C to +90°C
Altitude During Operation	5000m
Atmospheric Pressure	70 kPa to 106 kPa
Humidity	up to 95% RH (max.)
Cooling	Free-air Convection
Physical Specifications	
Dimension (Tolerance ±0.5 mm)	64.1 x 45.6 x 23.5 mm 2.52 x 1.8 x 0.93 inches
Weight	135g
Case Material	Plastic resin (flammability to UL 94V-0)

Outline Dimensions & Pin Connections



- Pin # Single
- ① AC IN (N)
 - ② AC IN (L)
 - ③ -DC OUT
 - ④ NO PIN
 - ⑤ +DC OUT

Model

► eMTC30 Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eMTC30-5S	90~264	5	5000	84
eMTC30-12S	90~264	12	2500	89
eMTC30-15S	90~264	15	2000	86
eMTC30-24S	90~264	24	1250	86

Derating

