

AC-DC ITE Power Module

60 Watt

eAEC60 Series



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 47-63 Hz
- ◆ 4000 VAC Input to Output Isolation
- ◆ -40°C Starting
- ◆ Optional with Screw Terminal
- ◆ CE, UL Approvals
- ◆ 3-Year Warranty

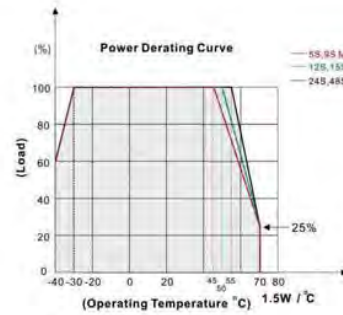
Input Specifications	
Voltage Range	90 ~ 264 VAC or 100 ~370 VDC
Frequency	47~63 Hz
Output Specifications	
Output Power	60 Watt (max.)
Voltage Accuracy Minimum	±2% (Full Load and Nominal Vin)
Load	1% (at Full Load)
Line Regulation	±1% (LL to HL at Full Load)
Load Regulation	±1% (5% to 100% at Full Load) (typ.)
Ripple(20MHz bandwidth)	<0.2% Vout +40mV (Vp-p) (max.)
Noise (20MHz bandwidth)	<0.5% Vout +50mV (Vp-p) (max.)
Temperature Coefficient	±0.02% / °C (max.)
Short Circuit Protection	Automatic recovery
General Specifications	
Efficiency (see table list)	86% to 88% (typ.)
Isolation Voltage	4000 VAC (min.)
Isolation Resistance	10 ⁹ Ω (Input to Output) (min.)
Operating Temperature	-40 °C to + 70°C (with Derating)
Storage Temperature	-40 °C to +85°C
Humidity	95% RH (max.)
Cooling	Free-air Convection
Physical Specifications	
Dimension (Tolerance ±0.5 mm)	109.0 x 58.5 x 30.0 mm
Weight	310 g
Case Material	Plastic resin (flammability to UL 94V-0)

Model

eAEC60 Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eAEC60-5S	90~264	5	10,000	82
eAEC60-9S	90~264	9	5000	84
eAEC60-12S	90~264	12	5000	86
eAEC60-15S	90~264	15	4000	86
eAEC60-24S	90~264	24	2500	86
eAEC60-48S	90~264	48	1250	86

Derating



- Pin #
- 1 AC IN (N)
 - 2 AC IN (L)
 - 3 FG
 - 4 - DC OUT
 - 5 +DC OUT
 - 6 Trim

Outline Dimensions & Pin Connections

