

# (M) AC-DC ITE Power Module

**NEW**

**60 Watt**

## eMSC60 Series

(M) ITE Medical Power Module

CE E199779 LEVEL3 US CB (In Progress)



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 47-440 Hz
- ◆ <0.3W No Load Input Power
- ◆ Regulated Output and Low Ripple and Noise
- ◆ Optional with Screw Terminal
- ◆ Isolation Class 11
- ◆ CE, CB, UL, cUL Approvals
- ◆ 3-Year Warranty

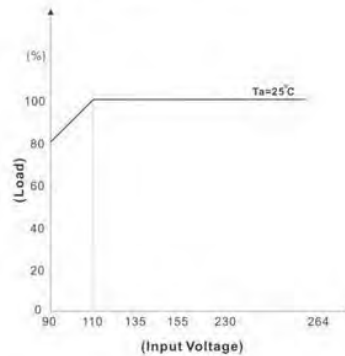
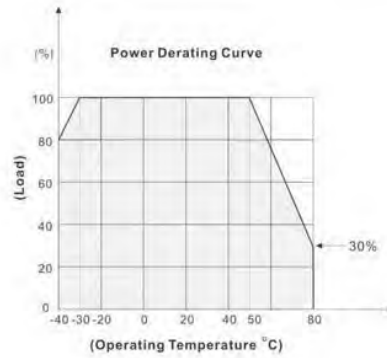
Input Specifications	
Voltage Range	90 ~ 264 VAC or 120~370 VDC
Frequency	47~440Hz
Output Specifications	
Output Power	60 Watt (max.)
Voltage Accuracy	±2% (Full Load and Nominal Vin)
Line Regulation	±0.5% (LL to HL at Full Load) (typ.)
Load Regulation	± 1.5% (1% to 100% at Full Load) (typ.)
Ripple & Noise (20MHz bandwidth)	5S,9S: 100mV (at Full Load) (max.) others: 1% Vout (at Full Load) (max.)
Temperature Coefficient	±5% / °C (max.)
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)
General Specifications	
Efficiency (see table list)	86% to 88% (typ.)
Isolation Voltage	4000VAC or 5656VDC (min.)
Isolation Resistance	10 <sup>8</sup> Ω (Input to Output) (min.)
Operating Temperature	-40°C to +80°C (Case Temperature max. +95°C)
Storage Temperature	-40°C to +85°C
Altitude During Operation	5000m
Atmospheric Pressure	70 kPa to 106 kPa
Humidity	95% RH (max.)
Cooling	Free-air Convection
Physical Specifications	
Dimension (Tolerance ±0.5 mm)	89.0 x 63.5 x 27.0 mm 3.5 x 2.5 x 1.06 inches
Weight	260 g
Case Material	Plastic resin with Fiberglass (flammability to UL 94V-0)

### Model

#### eMSC60 Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
eMSC60-5S	90~264	5	10000	86
eMSC60-9S	90~264	9	6666	87
eMSC60-12S	90~264	12	5000	88
eMSC60-15S	90~264	15	4000	86
eMSC60-24S	90~264	24	2500	87

### Derating



### Outline Dimensions & Pin Connections

