

NEW

240 Watt

eMQF240 Series

AC-DC Switching Power Supply



- ◆ Open Frame and Enclosed Package
- ◆ Universal Input: 90-264 VAC, 47-63 Hz
- ◆ 4000VAC Input to Output 2MOPP Insulation
- ◆ Cooling by Free Air Convection (MQF2400 only)
- ◆ 160 Watt s and 240 Wat t with 1 OCFM Forced Air (MQF2400 only)
- ◆ Built-in 12V / 0.5A Fan Supply (MQF2400 only)
- ◆ High Efficiency up to 93.5%
- ◆ With P.F.C. Function >0.9
- ◆ <0.5W No Load Input Power
- ◆ EMI for Both Class I (with FG) and Class II (without FG) Configuration
- ◆ Suitable for BF Application with Appropriate System Consideration
- ◆ UL/ IEC / EN 60601 3.1 Edition & UL/ IEC / EN 60950 AM2 Safety Approvals
- ◆ 3-Year Warranty

Input Specifications	
Voltage Range	90 ~ 264 VAC
Frequency	47~440 Hz
Output Specifications	
Output Power	eMQF240O: Convection: 160 Watt (max.) 10CFM FAN: 240 Watt (max.) eMQF240E: 240 Watt (max.)
Voltage Accuracy	±2% (Full Load and Nominal Vin)
Minimum Load	0% (at Full Load)
Line Regulation	±1% (LL to HL at Full Load) (typ.)
Load Regulation	±1% (0% to 100% at Full Load) (typ.)
Ripple & Noise	1% Vout (20MHz bandwidth) (max.)
Temperature Coefficient	±0.05% / °C (max.)
Short Circuit Protection	Auto recovery, Hiccup mode

General Specifications	
Efficiency (see table list)	eMQF240O: 92.5% to 93.5% (typ.) eMQF240E: 92% to 93% (typ.)
Isolation Voltage	4000 VAC or 5656 VDC
Isolation Resistance	10 ⁸ Ω (Input to Output) (min.)
Operating Temperature	-30°C to +70°C (with Derating)
Storage Temperature	-30°C to +85°C
Humidity	20-90% RH (max.)
Cooling	Free-air Convection
Physical Specifications	
Dimension (Tolerance ±0.5 mm)	eMQF240O: 103.9 x 52.0 x 27.6 mm 4.1 x 2.05 x 1.087 inches eMQF240E: 104.0 x 62.0 x 49.5 mm 4.1 x 2.44 x 1.95 inches
Weight	Pending

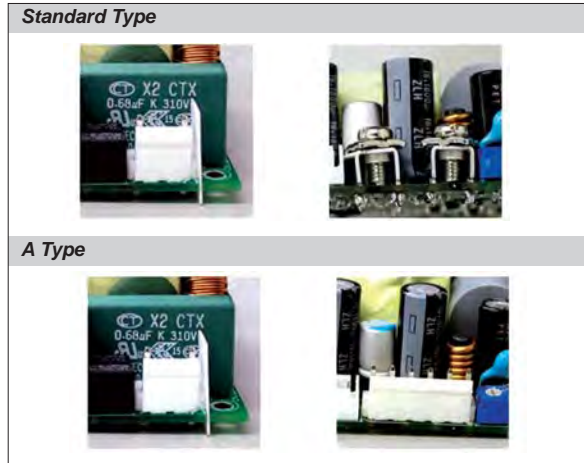
Model

►eMQF240O Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
eMQF240O-12S	90~264	12	13.3 20 (w 10 CFM)	92.5
eMQF240O-24S	90~264	24	6.66 10 (w 10 CFM)	93.0
eMQF240O-48S	90~264	48	3.33 5 (w 10 CFM)	93.5

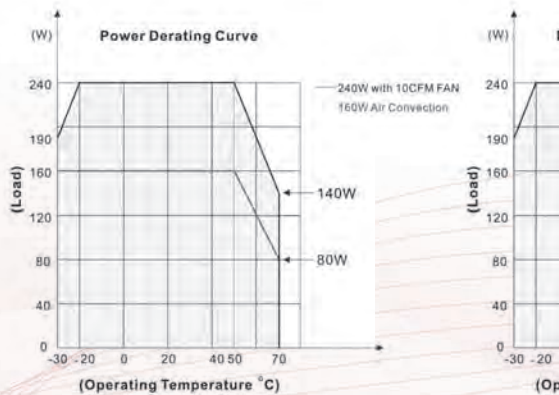
►eMQF240E Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
eMQF240E-12S	90~264	12	20	92.0
eMQF240E-24S	90~264	24	10	92.5
eMQF240E-48S	90~264	48	5	93.0

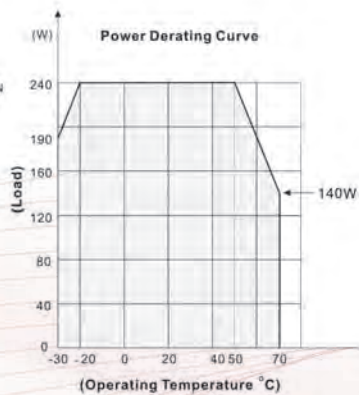


Derating

eMQF240O Series



eMQF240E Series



eMQF240O / eMQF240E Series

