(📠) AC-DC ITE Power Module

125 Watt

eAQC125 Series

CE c🆄us CB
E199779
LEVEL3
(In Progress)

Model No: AQC125-12S
AC-DC Power Module
AC INPUT : 100-240 VAC 47-63 Hz 3.0A max.
DC OUTPUT : 12VDC / 10400mA
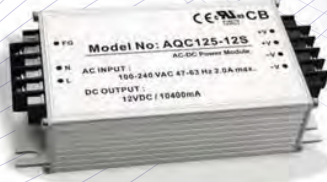
♦ Power Module for PCB Mountable
♦ Universal Input: 90-264 VAC, 4 7-63 Hz
♦ Active PFC Function, >0.94 (230Vac), >0.98 (115Vac)
♦ <0.5W No Load Input Power (except AQC125-48S)
♦ Four M3 Mounting Holes Optional on Bottom Side
♦ Continuous Short Circuit Protection with Hiccup Mode and Auto Recover
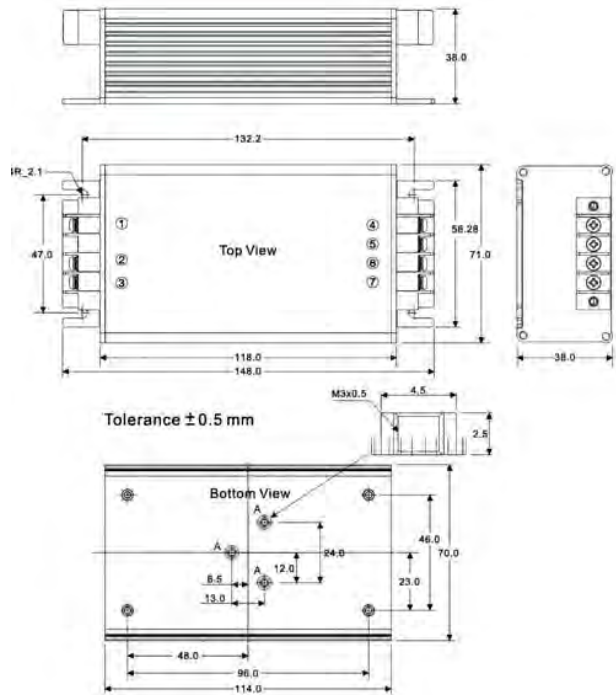♦ EN55022 Class B Meets
♦ CE, CB, UL Approvals
♦ 3-YearWarranty

Input Specifications

Voltage Range	90 ~ 264 VAC or 120~370 VDC
Frequency	47~63Hz

Output Specifications

Output Power	125Watt (max.)
Voltage Acouraoy	±2% (Full Load and Nominal Vin)
Line Regulation	±1% (LL to HL at Full Load) (typ.)
Load Regulation	±1% (10% to 100% at Full Load) (typ.)
Ripple Noise	12S: 130mV (Vp-p) (max.)
(20MHz bandwidth)	others: 1% Vout (Vp-p) (max.)
Teperature Coefficient	±0.03% / 'C (0-70'C)
	±0.06% I 'C (-25-0'C)
Short Circuit Protection	Auto recovery

General Specifications

Efficiency (see table list)	90% to 91.5% (typ.)
Isolation Voltage	3000 VAC (min.)
Isolation Resistance	10⁸ Ω (Input to Output) (min.)
Operating Temperature	-25°C to +70°C (With Derating)
Storage Temperature	-25°C to +85°C
Humidity	95% RH (max.)
Cooling	Free-air Convection

Physical Specifications

Dimension	148.0 x 71.0 x 38.0 mm
(Tolerance ±0.5 mm)	5.83 x 2.8 x 1.5 inches
Weight	680g
Case Material	Plastic resin with Fiberglass (flammability to UL 94V-0)

Model

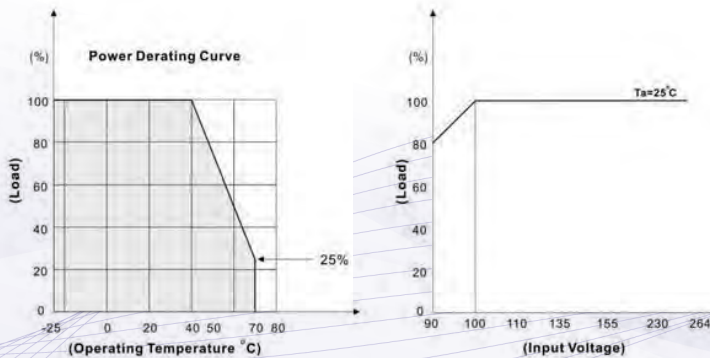▶▶ eANC50 Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Volgage (V.DC)	Output Current (m.A) max.	Eff (%)
eAQC125-12S	90~264	12	10400	90
eAQC125-15S	90~264	15	8330	90
eAQC125-24S	90~264	24	5200	90.5
eAQC125-48S	90~264	48	2600	91.5

Derating

Tolerance ± 0.5 mm

Derating

Pin #	Single
①	FG
②	AC IN (N)
③	AC IN (L)
④	ON / OFF
⑤	+DC OUT
⑥	+DC OUT
⑦	- DC OUT

The speciication printed on the catalog is for promotion purpose. Please get detailed spec from Sales for final version.
TEL: 866-Eurasia (866-387-2742) - www.EurasiaPower.com

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