

AC-DC ITE Power Module

40 Watt

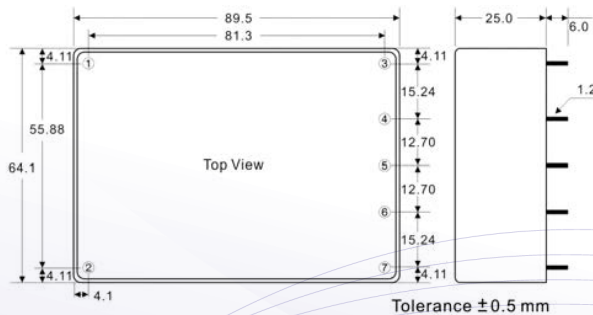
eAJC Series



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 47-440 Hz Low Standby < 0.3W
- ◆ Regulated Output
- ◆ Low Ripple and Noise
- ◆ Optional with Screw Terminal
- ◆ CE, CB, UL Approvals
- ◆ 3-Year Warranty

Input Specifications	
Voltage Range	90 ~ 264 VAC or 100 ~375 VDC
Frequency	47~440 Hz
Output Specifications	
Output Power	40 Watt (max.)
Voltage Accuracy (Full Load and Nominal Vin)	3.3S:±3% 5S-24S Dual: ±2% 5S12S,5S24S, Triple: ±3% 1±5%
Minimum Load	1 % to 25% (at Full Load)
Line Regulation (LL to HL at Full Load)	Single:±0.5% (typ.) Dual: ±0.5% (typ.) 5S12S,5S24S, Triple: ±0.5% 1±5%
Load Regulation (Dual 15% to 100% at Full Load)	Single:±1% (1% to 100% at Full Load) (typ.) Dual: ±1% (Symmetric Load) (typ.) 5S12S,5S24S: ±1% / ±6% (Symmetric Load) (typ.) Triple: ±3% / ±7% (Symmetric Load) (typ.)
Ripple & Noise (20MHz bandwidth)	3.3S: 50mV (Vp-p) (max.) others: 1% Vout (Vp-p) (max.)
Temperature Coefficient	±0.02% °C (max.)
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)
General Specifications	
Efficiency (see table list)	74% to 84% (typ.)
Isolation Voltage	3000 VAC (min.)
Isolation Resistance	10 ⁸ 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)	89.5 x 64.1 x 25.0 mm 3.52 x 2.52 x 0.98 inches
Weight	280 g
Case Material	inches Plastic resin (flammability to UL 94V-0)

Outline Dimensions & Pin Connections



Pin #	1	2	3	4	5	6	7
Single	AC IN (N)	AC IN (L)	+DC OUT	NO PIN	-DC OUT	NO PIN	NO CONNECT
Dual	ACIN (N)	AC IN (L)	+DC OUT	NO PIN	COMMON	NO PIN	- DC OUT
5S12S 5S24S	AC IN (N)	AC IN (L)	+12V/24V OUT	+5V OUT	+12V RTN	+5V RTN	NO PIN
Triple	ACIN (N)	AC IN (L)	+DC OUT	+5V OUT	COMMON	+SV RTN	-DC OUT

Model

eAJC Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Volgare (V.DC)	Output Current (m.A) max.	Eff (%)
eAJC-3.3S	90~264	3.3	8000	74
eAJC-5S	90~264	5	8000	81
eAJC-9S	90~264	9	4444	82
eAJC-12S	90~264	12	3333	84
eAJC-15S	90~264	15	2666	83
eAJC-24S	90~264	24	1667	83

eAJC Dual Output

Model & Ordering No	Input Voltage (V.AC)	Output Volgare (V.DC)	Output Current (m.A) max.	Eff (%)
eAJC-5D	90~264	±5	±4000	81
eAJC-12D	90~264	±12	±1666	83
eAJC-15D	90~264	±15	± 1333	83
eAJC-5S12S	90~264	5 / 12	5000 / 1250	82
eAJC-5S24S	90~264	5 / 24	5000 / 625	82

eAJC Triple Output

Model & Ordering No	Input Voltage (V.AC)	Output Volgare (V.DC)	Output Current (m.A) max.	Eff (%)
eAJC-5S12D	90~264	5±12	5000 / ±600	80
eAJC-5S15D	90~264	5±15	5000 / ±500	81

Derating

