

2 Watt

eAYC Series

- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-305 VAC, 47-63 Hz
- ◆ Fully Encapsulated Plastic Case
- ◆ Low Ripple and Noise
- ◆ Low Standby < 0.3W
- ◆ Isolation Class II
- ◆ CE, CB, UL Approvals
- ◆ 3-Year Warranty

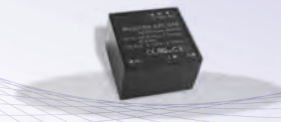


Input Specifications	eAYC	eAZC
Voltage Range	90 — 305 VAC or 120 — 430 VDC	
Frequency	47. 63 Hz	
Output Specifications	eAYC	eAZC
Output Power	2 Watt (max.)	
Voltage Accuracy	±6% (Full Load and Nominal Vin)	
Minimum Load	0% (at Full Load)	
Line Regulation	± 5% (LL to HL at Full Load)	(typ.)
Load Regulation	±6% (10% to 100% at Full Load)	(typ.)
Ripple & Noise	300mV (Vp-p) (20MHz bandwidth)	(max.)
Temperature Coefficient	±0.02% / °C	
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)	
General Specifications	eAYC	eAZC
Efficiency (see table list)	66% to 75%	(typ.)
Isolation Voltage	3000 VAC	(min.)
Isolation Resistance	10 ⁸ Ω (Input to Output)	(min.)
Operating Temperature	-40°C to +80°C (with Derating)	
Storage Temperature	-40°C to +85°C	
Humidity	95% RH	(max.)
Cooling	Free-air Convection	
Physical Specifications	eAYC	eAZC
Dimension	33.7x22.2x17.0mm	28.5x25.8x17.0mm
(Tolerance ±0.5 mm)	1.33x0.87x0.67inches	1.12x1.02x0.67inches
Weight	20.1g	19.9g
Case Material	Plastic resin (flammability to UL 94V-0)	

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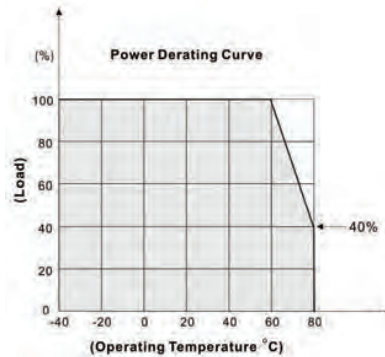
eAZC Series

- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-305 VAC, 47-63 Hz
- ◆ Fully Encapsulated Plastic Case
- ◆ Low Ripple and Noise
- ◆ Low Standby < 0.3W
- ◆ Isolation Class II
- ◆ CE, CB, UL Approvals
- ◆ 3-Year Warranty



Model				
▶ eAYC Single Output				
Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eAYC-3.3S	90~305	3.3	600	66
eAYC-5S	90~305	5	400	70
eAYC-9S	90~305	9	222	73
eAYC-12S	90~305	12	167	73
eAYC-15S	90~305	15	133	73
eAYC-24S	90~305	14	83	75
▶ eAZC Single Output				
Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eAZC-3.3S	90~305	3.3	600	66
eAZC-5S	90~305	5	400	70
eAZC-9S	90~305	9	222	73
eAZC-12S	90~305	12	167	73
eAZC-15S	90~305	15	133	73
eAZC-24S	90~305	14	83	75

Derating



Outline Dimensions & Pin Connections

eAYC Series

Tolerance ±0.5 mm

eAZC Series

Tolerance ±0.5 mm

Isolation Bottom View

Pin #	eAYC	eAZC
1	AC IN (N)	+DC OUT
2	AC IN (L)	- DC OUT
3	- DC OUT	AC IN (N)
4	+DC OUT	AC IN (L)
5		NC