

5 Watt

## eZA05 SERIES

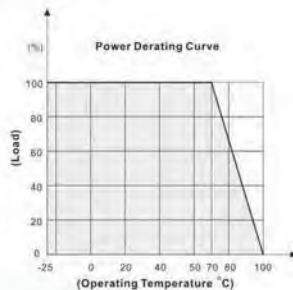
- ◆ Power Module for PCB Mountable
- ◆ Low Cost but High Reliability
- ◆ 4:1 Wide Input Range
- ◆ Regulated Output
- ◆ 4:1 Wide Input Range
- ◆ 3-Year Warranty



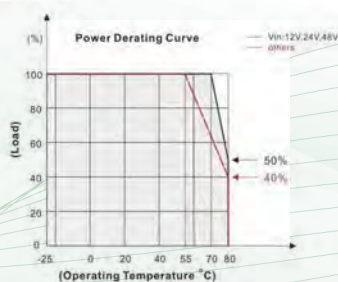
Input Specifications	eZA05	eZC05
Voltage Range	24v - 9-36 VDC 48V - 18-75 VDC	
Filter	$\pi$ type	
Output Specifications	eZA05	eZC05
Output Power	6 Watt (max.)	
Voltage Accuracy	$\pm 2\%$ (Full Load and Nominal Vin)	
Line Regulation	$\pm 0.5\%$ (LL to HL at Full Load)	(typ.)
Load Regulation	3.3S: $\pm 3\%$ others: $\pm 1\%$	(typ.)
(10% to 100% at Full Load)		(typ.)
Ripple (20MHz bandwidth)	$< 0.5\%$ Vout +50mV	(Vp-p) (max.)
Noise (20MHz bandwidth)	$< 0.5\%$ Vout +50mV	(Vp-p) (max.)
Temperature Coefficient	$\pm 0.02\%$ / °C	(max.)
Short Circuit Protection	Current limit.Auto-recovery	
General Specifications	eZA05	eZC05
Efficiency (see table list)	71% to 83%	71% to 81% (typ.)
Isolation Voltage	1600 voe	(min.)
Isolation Resistance	$10^8 \Omega$ (Input to Output)	(min.)
Operating Temperature	-25 °C to +70°C (at Full Load)	
Storage Temperature	-55°C to +105°C	
Humidity	95% RH	(max.)
Cooling	Free-air Convection	
Physical Specifications	eZA05	eZC05
Dimension	31.8 x 20.3 x 10.2 mm	
(Tolerance $\pm 0.5$ mm)	1.25 x 0.8 x 0.4 inches	
Weight	13 g	20 g
Case Material	Five-side shielded Aluminum with Non-Conductive base, Black Anodize	

### Derating

#### eZA05 Series



#### eZC05 Series



5 Watt

## eZC05 SERIES

- ◆ Power Module for PCB Mountable
- ◆ High Efficiency and Reliability
- ◆ 4:1 Wide Input Range
- ◆ Regulated Output
- ◆ Low Ripple and Noise
- ◆ 3-Year Warranty



### Model

#### ►► eZA05 Single Output (4:1 Range)

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eZA05-24-3.3S	9~36	3.3	1200	71
eZA05-24-5S	9~36	5	1000	75
eZA05-24-12S	9~36	12	500	82
eZA05-24-15S	9~36	15	400	79
eZA05-24-24S	9~36	24	250	81
eZA05-48-3.3S	18~75	3.3	1200	71
eZA05-48-5S	18~75	5	1000	75
eZA05-48-12S	18~75	12	500	82
eZA05-48-15S	18~75	15	400	82
eZA05-48-24S	18~75	24	250	81

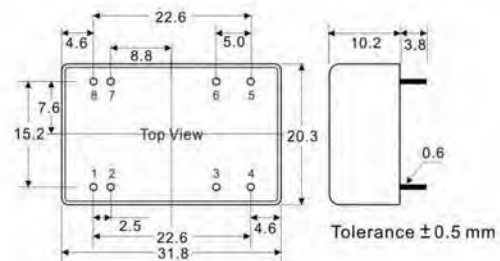
#### ►► eZA05 Single Output (4:1 Range)

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eZA05-24-5D	9~36	$\pm 5$	$\pm 500$	75
eZA05-24-12D	9~36	$\pm 12$	$\pm 250$	78
eZA05-24-15D	9~36	$\pm 15$	$\pm 200$	75
eZA05-48-5D	18~75	$\pm 5$	$\pm 500$	77
eZA05-48-12D	18~75	$\pm 12$	$\pm 250$	83
eZA05-48-15D	18~75	$\pm 15$	$\pm 200$	81

#### ►► eZC05 Single Output (4:1 Range)

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eZC05-24F-3.3S	9~36	3.3	1520	72
eZC05-24F-5S	9~36	5	1000	75
eZC05-24F-12S	9~36	12	500	81
eZC05-24F-15S	9~36	15	400	79
eZC05-24F-24S	9~36	24	250	80
eZC05-48F-3.3S	18~75	3.3	1520	74
eZC05-48F-5S	18~75	5	1000	77
eZC05-48F-12S	18~75	12	500	81
eZC05-48F-15S	18~75	15	400	81
eZC05-48F-24S	18~75	24	250	81

### Outline Dimensions & Pin Connections



Pin #	Single	Dual
1	+VIN	+VIN
2	-VIN	-VIN
3	NC	NC
4	NC	NC
5	+VOUT	+VOUT
6	-VOUT	-VOUT
7	+VIN	+VIN
8	+VIN	+VIN