

15 Watt

eZB SERIES

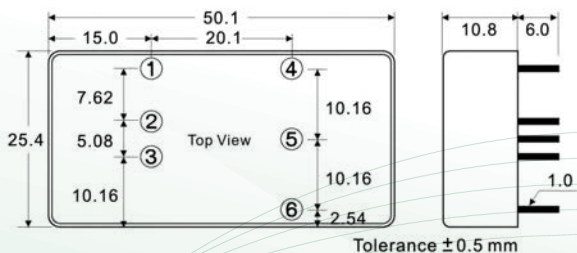


- ◆ Power Module for PCB Mountable
- ◆ Low Cost and High Reliability
- ◆ 2: 1 & 4: 1 Wide Input Range
- ◆ Remote ON/OFF Control (Optional)
- ◆ Regulated Output
- ◆ Low Ripple and Noise
- ◆ 3-Year Warranty

Input Specifications	eZB15	eZB20
Voltage Range	2:1 Range 12V - 9-18 VDC 24V - 18-36 VDC 48V - 36-75 VDC	
Filter	4:1 Range 24V - 9-36 VDC 48V - 18-75 VDCC	
Filter	π type	
Output Specifications		
Output Power	15 Watt (max.)	
Voltage Accuracy	$\pm 2\%$ (Full Load and Nominal Vin)	
Minimum Load	0% to 3% (at Full Load)	
Line Regulation	$\pm 0.5\%$ (LL to HL at Full Load)	(typ.)
Load Regulation	$\pm 1\%$ (10% to 100% at Full Load)	(typ.)
Ripple (20MHz bandwidth)	$< 0.2\%$ Vout +40mV	(Vp-p) (max.)
Noise (20MHz bandwidth)	$< 0.5\%$ Vout +50mV	(Vp-p) (max.)
Temperature Coefficient	$\pm 0.02\% / ^\circ\text{C}$	(max.)
Short Circuit Protection	Current limit.Auto-recovery	
General Specifications		
Efficiency (see table list)	70% to 87%	(typ.)
Frequency	3000K Hz	(typ.)
Isolation Voltage	1600 VDC	(min.)
Isolation Resistance	$10^9 \Omega$ (Input to Output)	(min.)
Operating Temperature	-25°C to $+70^\circ\text{C}$ (at Full Load)	
Storage Temperature	-55°C to $+105^\circ\text{C}$	
Humidity	95% RH	(max.)
Cooling	Free-air Convection	
Physical Specifications		
Dimension (Tolerance ± 0.5 mm)	50.1 x 25.4 x 10.8 mm 1.97 x 1.0 x 0.425 inches	
Weight	32 g	
Case Material	Five-side shielded Aluminum with Non-Conductive base, Black Anodize	

Application Note: Remote On/ Off
 Control Pin is available for standard eZB15 models
 Please add suffix-N for models WITH THOUT Control Pin
 Ex: eZB15-24-12S N

Outline Dimensions & Pin Connections



Model

►►eZB15 Single Output (2:1 Range)

Model & Ordering No	Input Voltage (V.AC)	Output Volgaje (V.DC)	Output Current (m.A) max.	Eff (%)
eZB15-12-3.3S	9~18	3.3	3000	77
eZB15-12-5S	9~18	5	3000	80
eZB15-12-12S	9~18	12	1250	82
eZB15-12-15S	9~18	15	1000	84
eZB 15-12-24S	9~18	24	625	84
eZB15-24-3.3S	18~36	3.3	3000	77
eZB15-24-5S	18~36	5	3000	82
eZB 15-24-12S	18~36	12	1250	85
eZB 15-24-15S	18~36	15	1000	86
eZB 15-24-24S	18~36	24	625	87
eZB15-48-3.3S	36~75	3.3	3000	79
eZB15-48-5S	36~75	5	3000	83
eZB15-48-12S	36~75	12	1250	86
eZB 15-48-15S	36~75	15	1000	87
eZB 15-48-24S	36~75	24	625	87

►►eZB15 Dual Output (2:1 Range)

Model & Ordering No	Input Voltage (V.AC)	Output Volgaje (V.DC)	Output Current (m.A) max.	Eff (%)
eZB15-12-5D	9~18	± 5	± 1500	78
eZB15-12-12D	9~18	± 12	± 625	79
eZB15-12-15D	9~18	± 15	± 500	79
eZB15-24-5D	18~36	± 5	± 1500	78
eZB15-24-12D	18~36	± 12	± 625	79
eZB15-24-15D	18~36	± 15	± 500	79
eZB15-48-5D	36~75	± 5	± 1500	78
eZB15-48-12D	36~75	± 12	± 625	79
eZB15-48-15D	36~75	± 15	± 500	79

►►eZB15 Single Output (4:1 Range)

Model & Ordering No	Input Voltage (V.AC)	Output Volgaje (V.DC)	Output Current (m.A) max.	Eff (%)
eZB15-24F-3.3S	9~36	3.3	3000	70
eZB15-24F-5S	9~36	5	3000	76
eZB15-24F-12S	9~36	12	1250	77
eZB15-24F-15S	18~75	15	1000	75
eZB15-48F-3.3S	18~75	3.3	3000	71
eZB15-48F-5S	18~75	5	3000	78
eZB15-48F-12S	18~75	12	1250	79
eZB15-48F-15S	18~75	15	1000	79

Derating

