15 Watt

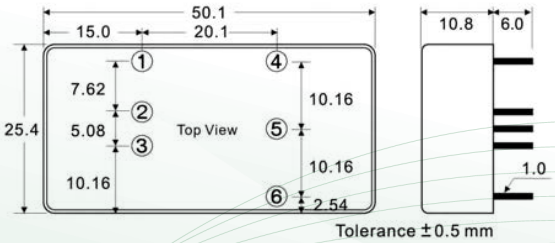
eZB SERIES

- 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-YearWarranty

Input Specifications	eZB15	eZB20
Voltage Range	2:1 Range 12V - 9-18 VDC 24V - 18-36 VDC 48V - 36-75 VDC	
	4:1 Range 24V - 9-36 VDC 48V - 18-75 VDCC	
Filter	π type	
Output Specifications		
Output Power	15 Watt (max.)	
Voltage Accuracy	±2% (Full Load and Nominal Vin)	
Minimum Load	0% to 3% (at Full Load)	
Line Regulation	±0.5% (LL to HL at Full Load)	(typ.)
Load Regulation	± 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	±0.02% / °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	10^8 Ω (Input to Output)	(min.)
Operating Temperature	-25 ºC to +70ºC (at Full Load)	
Storage Temperature	-55°C to +105°C	
Humidity	95% RH	(max.)
Cooling	Free-air Convection	
Physical Specifications		
Dimension	50.1 x 25.4 x 10.8 mm	
(Tolerance ±0.5 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 WI THOUT Control Pin
Ex: eZB15-24-12S N

Outline Dimensions & Pin Connections



Model

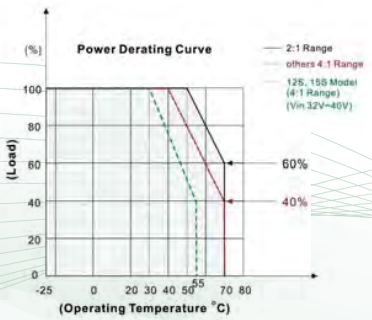
eZB15 Single Output (2:1 Range)

Model & Ordering No	Input Voltage (V.AC)	Output Volgage (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 Volgage (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 Volgage (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

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