



FEATURES

- * 15W Isolated Output
- * 2" X 1" Six-Sided Shield Metal Case
- * Efficiency to 83%
- * 2:1 Input Range
- * Pi Input Filter
- * Continuous Short Circuit Protection
- * Meets EN55022 Class A, Conducted
- * Remote On/Off Control (Option)
- * UL60950-1 Approval



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
EC5BE01	9-18 VDC	5 VDC	0 mA	3000 mA	20 mA	1602 mA	78	3000uF
EC5BE02	9-18 VDC	12 VDC	0 mA	1250 mA	20 mA	1524 mA	82	1250uF
EC5BE03	9-18 VDC	15 VDC	0 mA	1000 mA	20 mA	1524 mA	82	1000uF
EC5BE04	9-18 VDC	±12 VDC	0 mA	±625 mA	30 mA	1506 mA	83	625uF
EC5BE05	9-18 VDC	±15 VDC	0 mA	±500 mA	30 mA	1506 mA	83	500uF
EC5BE06	9-18 VDC	±5 VDC	0 mA	±1500 mA	30 mA	1563 mA	80	1500uF
EC5BE07	9-18 VDC	3.3 VDC	0 mA	3000 mA	20 mA	1086 mA	76	3000uF
EC5BE11	18-36 VDC	5 VDC	0 mA	3000 mA	20 mA	780 mA	80	3000uF
EC5BE12	18-36 VDC	12 VDC	0 mA	1250 mA	20 mA	762 mA	82	1250uF
EC5BE13	18-36 VDC	15 VDC	0 mA	1000 mA	20 mA	762 mA	82	1000uF
EC5BE14	18-36 VDC	±12 VDC	0 mA	±625 mA	25 mA	755 mA	83	625uF
EC5BE15	18-36 VDC	±15 VDC	0 mA	±500 mA	25 mA	755 mA	83	500uF
EC5BE16	18-36 VDC	±5 VDC	0 mA	±1500 mA	25 mA	772 mA	81	1500uF
EC5BE17	18-36 VDC	3.3 VDC	0 mA	3000 mA	20 mA	543 mA	76	3000uF
EC5BE21	36-72 VDC	5 VDC	0 mA	3000 mA	15 mA	391 mA	80	3000uF
EC5BE22	36-72 VDC	12 VDC	0 mA	1250 mA	15 mA	377 mA	83	1250uF
EC5BE23	36-72 VDC	15 VDC	0 mA	1000 mA	15 mA	377 mA	83	1000uF
EC5BE24	36-72 VDC	±12 VDC	0 mA	±625 mA	20 mA	377 mA	83	625uF
EC5BE25	36-72 VDC	±15 VDC	0 mA	±500 mA	20 mA	377 mA	83	500uF
EC5BE26	36-72 VDC	±5 VDC	0 mA	±1500 mA	20 mA	381 mA	82	1500uF
EC5BE27	36-72 VDC	3.3 VDC	0 mA	3000 mA	15 mA	271 mA	76	3000uF

NOTE: 1. Nominal Input Voltage 12, 24 or 48VDC

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS:

Input Voltage Range	12V	9-18V
	24V	18-36V
	48V	36-72V
Input Surge Voltage (100ms max.)	12V	25Vdc max.
	24V	50Vdc max.
	48V	100Vdc max.
Input Filter		Pi Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy	±1.0% max.
Voltage Balance (Dual)	±1.0% max.
Transient Response	
Single 25% Step Load Change	<500u sec.
Dual FL-1/2L±1% Error Band	<500u sec.
Ripple and Noise, 20MHz BW	75mV p-p max.
Temperature Coefficient	±0.02%/°C max.
Short Circuit Protection	Continuous
Line Regulation (note1)	±0.2% max.
Load Regulation (note2)	±1.0% max.
Start up time	20ms typ.(EC5BE21, EC5BE27)

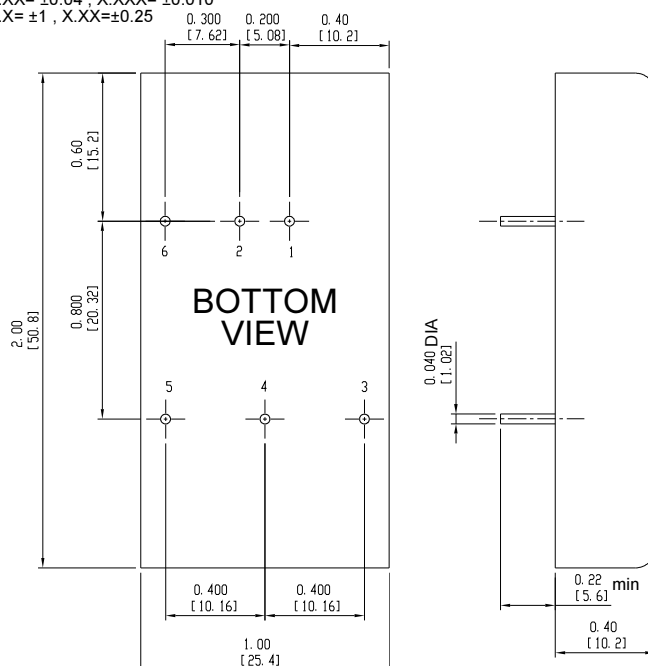
OPTION:

1. Suffix "T" to the Model Number with Remote On/Off Remote On/Off Control:
Logic Compatibility COMS or Open Collector TTL
EC-On >+5.5VDC or Open Circuit
EC-Off 0 to <1.8VDC
Control Common Referenced to input Minus
2. Suffix "A" to the Model Number with Output Voltage Adjustable External
Trim Adj. Range $\geq \pm 10\%$, Single Output Only

NOTE:

1. Measured from high line to low line.
2. Measured from full load to 1/4 load.
3. Maximum case temperature under any operating condition should not be exceeded 100°C

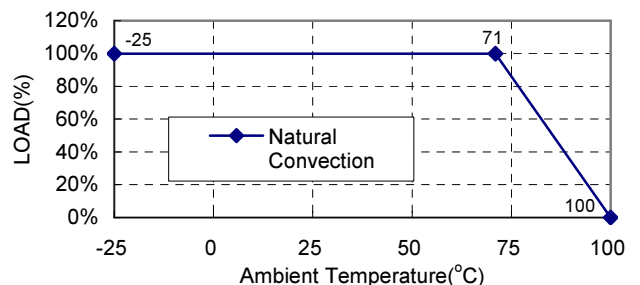
Case B Dimensions:

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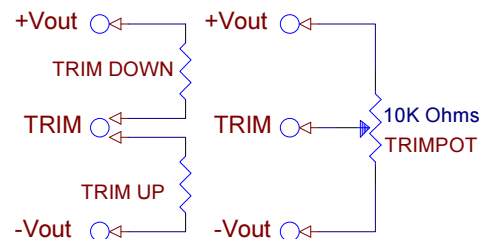
GENERAL SPECIFICATIONS:

Efficiency	See Table
Isolation Voltage	500 VDC min
Isolation Resistance	10^8 ohms
Isolation Capacitance	500pF typ.
Switching Frequency	300KHz typ.
Operating Ambient Temperature Range	-25°C to +71°C
De-rating, Above 71°C	Linearly to Zero power at 100°C
Case Temperature (note 3)	100°C max.
Storage Temperature Range	-40°C to +100°C
Humidity	95% RH max. Non condensing
MTBF	MIL-STD-217F, GB, 25°C, Full Load 1500Khrs typ.
EMI/RFI	Six sided Continuous Shield
Dimensions	2.00x1.00x0.40 inches (50.8x25.4x10.2mm)
Case Material	Black Coated Copper with Non-Conductive Base
Weight	32g

Typical Derating curve for Natural Convection



EXTERNAL OUTPUT TRIM



PIN CONNECTION	
Pin	Function
1.	+V Input
2.	-V Input
3.	+V Output
4.	Common/NP/Trim (Option)
5.	-V Output
6.	NP/Remote(Option)

*NP-NO PIN ON SINGLE OUTPUT