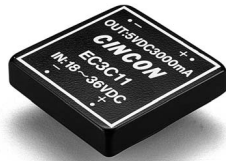


EC3C

15 WATT WIDE INPUT DC-DC CONVERTERS



Features

- 15W Isolated Output
- 2:1 Input Range
- Six-Sided Shield
- 200KHz Switching Frequency
- Efficiency to 82%

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF.	CASE
				NO LOAD	FULL LOAD		
EC3C01	9-18 VDC	5 VDC	3000 mA	30 mA	1660 mA	75	C/S
EC3C02		12 VDC	1250 mA	30 mA	1625 mA	78	
EC3C03		15 VDC	1000 mA	30 mA	1625 mA	78	
EC3C04		±12 VDC	±625 mA	35 mA	1620 mA	77	
EC3C05		±15 VDC	±500 mA	35 mA	1620 mA	77	
EC3C06		±5 VDC	±1500 mA	35 mA	1620 mA	77	
EC3C07		3.3 VDC	3000 mA	30 mA	1178 mA	70	
EC3C11	18-36 VDC	5 VDC	3000 mA	15 mA	812 mA	78	C/S
EC3C12		12 VDC	1250 mA	20 mA	772 mA	81	
EC3C13		15 VDC	1000 mA	20 mA	772 mA	81	
EC3C14		±12 VDC	±625 mA	25 mA	780 mA	80	
EC3C15		±15 VDC	±500 mA	25 mA	780 mA	80	
EC3C16		±5 VDC	±1500 mA	25 mA	780 mA	80	
EC3C17		3.3 VDC	3000 mA	15 mA	557 mA	74	
EC3C21	36-72 VDC	5 VDC	3000 mA	10 mA	390 mA	80	C/S
EC3C22		12 VDC	1250 mA	15 mA	381 mA	82	
EC3C23		15 VDC	1000 mA	15 mA	381 mA	82	
EC3C24		±12 VDC	±625 mA	20 mA	386 mA	81	
EC3C25		±15 VDC	±500 mA	20 mA	386 mA	81	
EC3C26		±5 VDC	±1500 mA	20 mA	386 mA	81	
EC3C27		3.3 VDC	3000 mA	20 mA	271 mA	76	

NOTE: 1. Nominal Input Voltage 12, 24 or 48 VDC
2. Alternative pin-out version. To order, suffix a 'S' to the standard model number.

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Änderungen vorbehalten / subject to change without notice

Specifications

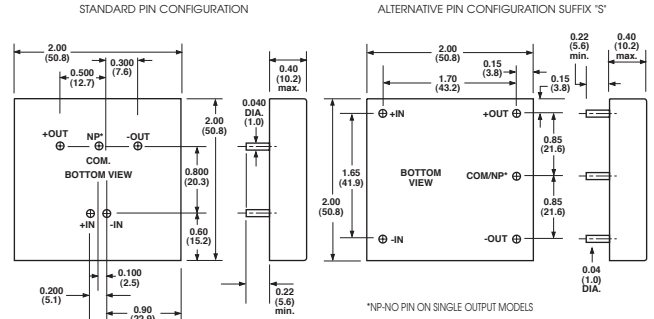
INPUT SPECIFICATIONS:	
Input Voltage Range.....	12V.....9-18V 24V.....18-36V 48V.....36-72V
Input Filter.....	PI Type
OUTPUT SPECIFICATIONS:	
Voltage Accuracy	Single Output.....±1.0% max. Dual + Output.....±1.0% max. Dual - Output.....±3.0% max.
Voltage Balance Dual Output at Full Load.....	±1.0% max.
Transient Response	Single 25% Step Load Change.....<500µ sec. Dual FL-1/2L ±1% Error Band.....<500µ sec.
Ripple & Noise 20MHz BW.....	10mV RMS max. 75mV p-p max.
Temperature Coefficient.....	±0.02%/°C
Short Circuit Protection.....	Indefinite & Current Limit
Line Regulation* Single/Dual Output.....	±0.2% max.
Load Regulation* Single/Dual Output.....	±1.0% max.

GENERAL SPECIFICATIONS:	
Efficiency.....	See Table
Isolation Voltage.....	500 VDC min.
Isolation Resistance.....	10 ohms
Switching Frequency.....	200KHz, typ.
Operating Temperature Range.....	-25°C to +71°C
Case Temperature.....	100°C max.
Cooling.....	Free-Air Convection
Storage Temperature Range.....	-40°C to +100°C
EMI/RR.....	Six-Sided Continuous Shield
Dimensions.....	2 x 2 x 0.4 inches (50.8 x 50.8 x 10.2mm)
Case Material.....	Black Coated Copper With Non-Conductive Base
Weight.....	57g

- NOTE:**
1. Measured From High Line to Low Line
 2. Measured From Full Load to 1/4 Full Load
 3. Determine the Correct Fuse Size by Calculating the Maximum DC Current Drain at Low Line Input, Maximum Load and Then Adding 20 to 25% to Get Desired Fuse Size.
 4. Alternative Pin Configuration Suffix 'S'

CASE C

All Dimensions in Inches(mm)
Tolerance .xxx = ±.04, .xxxx = ±.010



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