

4CE

5-6 WATT WIDE INPUT DC-DC CONVERTERS

Features:

- 5-6Watt Isolated Output
- 2:1 Input Range
- Efficiency to 82%
- Pi Input Filter
- Continuous Short Circuit Protection
- Regulated Outputs

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF.	CASE
				NO LOAD	FULL LOAD		
4CE01		5 VDC	1000 mA	7.5 mA	545 mA	77	
4CE02		12 VDC	470 mA	7.5 mA	585 mA	80	
4CE03	9-18 VDC	15 VDC	400 mA	7.5 mA	625 mA	80	C/S
4CE04		±12 VDC	±230 mA	12 mA	575 mA	80	
4CE05		±15 VDC	±190 mA	12 mA	590 mA	80	
4CE11		5 VDC	1000 mA	5 mA	265 mA	78	
4CE12		12 VDC	470 mA	5 mA	285 mA	82	
4CE13	18-36 VDC	15 VDC	400 mA	5 mA	305 mA	82	C/S
4CE14		±12 VDC	±230 mA	7.5 mA	285 mA	81	
4CE15		±15 VDC	±190 mA	7.5 mA	295 mA	81	
4CE21		5 VDC	1000 mA	2 mA	133 mA	78	
4CE22		12 VDC	470 mA	2 mA	143 mA	81	
4CE23	36-72 VDC	15 VDC	400 mA	2 mA	154 mA	81	C/S
4CE24		±12 VDC	±230 mA	3 mA	142 mA	81	
4CE25		±15 VDC	±190 mA	3 mA	147 mA	81	

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



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INPUT SPECIFICATIONS:

Input Voltage Range.....	12V.....	9-18V
	24V.....	18-36V
	48V.....	36-72V
Input Filter.....		Pi Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....		± 2.0% max.
Voltage Balance (Dual).....		± 1.0% / max.
Temperature Coefficient.....		± 0.05% /°C
Ripple and Noise, 20MHz BW.....	5V.....	100mV p-p max.
	12V/15V.....	1% p-p max.
Short Circuit Protection.....		Continuous
Line Regulation, Single/Dual ¹		± 0.5%
Load Regulation, Single ²		± 0.5%
	Dual ³	± 1.0%

GENERAL SPECIFICATIONS:

Efficiency.....		See Table
Isolation Voltage.....		500 VDC min
Isolation Resistance.....		10 ⁹ ohms
Switching Frequency.....		100kHz, min
Operating Temperature Range.....		-25°C to + 71°C
Case Temperature (Plastic case).....		95°C max.
	(Copper case).....	100°C max.
Cooling.....		Free-Air Convection
Storage Temperature Range.....		-40°C to + 100°C
Dimensions.....		2 x 2 x 0.4 inches (50.8 x 50.8 x 10.2mm)

CASE MATERIAL:

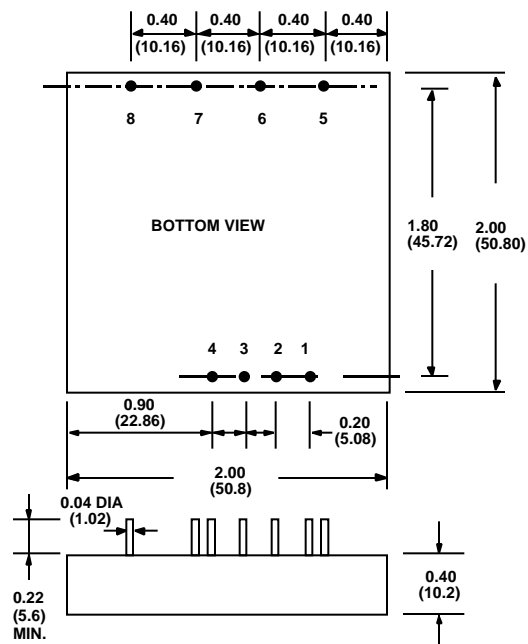
Standard Models.....	Non-Conductive Black Plastic
Suffix "M" Models.....	Black Coated Copper with Non-Conductive Base

NOTE:

1. Measured From High Line to Low Line
2. Measured From Full Load to 10% load
3. Measured From Full Load to 1/4 load

CASE C

STANDARD PIN CONFIGURATION
 *NP (NO PIN) ON SINGLE OUTPUT MODELS
 All Dimensions In Inches(mm)



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