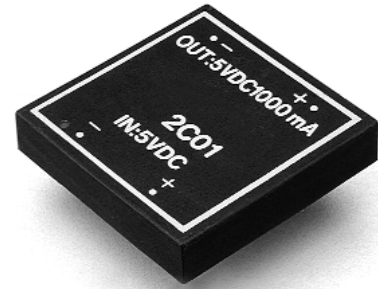


## 2C

### 5 TO 6 WATT DC-DC CONVERTERS



#### Feature

- High Performance
- 60% Efficiency
- Pi Input Filter
- Regulated Outputs
- Low Ripple and Noise
- 500 VDC Isolation

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	CASE	ALT' PIN OUT
2C-01		5 VDC	1000 mA	60 mA		
2C-02		12 VDC	470 mA	70 mA		
2C-03	5 VDC	15 VDC	400 mA	70 mA	C	S
2C-04		±12 VDC	±230 mA	130 mA		
2C-05		±15 VDC	±190 mA	140 mA		
2C-11		5 VDC	1000 mA	40 mA		
2C-12		12 VDC	470 mA	40 mA		
2C-13	12 VDC	15 VDC	400 mA	40 mA	C	S
2C-14		±12 VDC	±230 mA	60 mA		
2C-15		±15 VDC	±190 mA	60 mA		
2C-21		5 VDC	1000 mA	20 mA		
2C-22		12 VDC	470 mA	20 mA		
2C-23	24 VDC	15 VDC	400 mA	20 mA	C	S
2C-24		±12 VDC	±230 mA	35 mA		
2C-25		±15 VDC	±190 mA	35 mA		
2C-31		5 VDC	1000 mA	20 mA		
2C-32		12 VDC	470 mA	20 mA		
2C-33	28 VDC	15 VDC	400 mA	20 mA	C	S
2C-34		±12 VDC	±230 mA	25 mA		
2C-35		±15 VDC	±190 mA	25 mA		
2C-41		5 VDC	1000 mA	14 mA		
2C-42		12 VDC	470 mA	14 mA		
2C-43	48 VDC	15 VDC	400 mA	14 mA	C	S
2C-44		±12 VDC	±230 mA	20 mA		
2C-45		±15 VDC	±190 mA	20 mA		

NOTE: 1. Alternative pin-out version. To order, suffix an "S" to the standard model number.

# Specifications

## INPUT SPECIFICATIONS:

Input Voltage Range.....±10%  
 Input Filter.....Pi Type

## OUTPUT SPECIFICATIONS:

Voltage Accuracy.....±1.0% max.  
 Voltage Balance, Dual Output.....±0.5% max.  
 Temperature Coefficient  
     Single Output.....± 0.02%/°C  
     Dual Output.....± 0.01%/°C  
 Ripple and Noise, 20MHz BW  
     Single Output.....50mV p-p max.  
     Dual Output.....35mV p-p max.  
 Short Circuit Protection.....Short Term  
 Line Regulation.....±0.02%  
 Load Regulation.....±0.05%

## GENERAL SPECIFICATIONS:

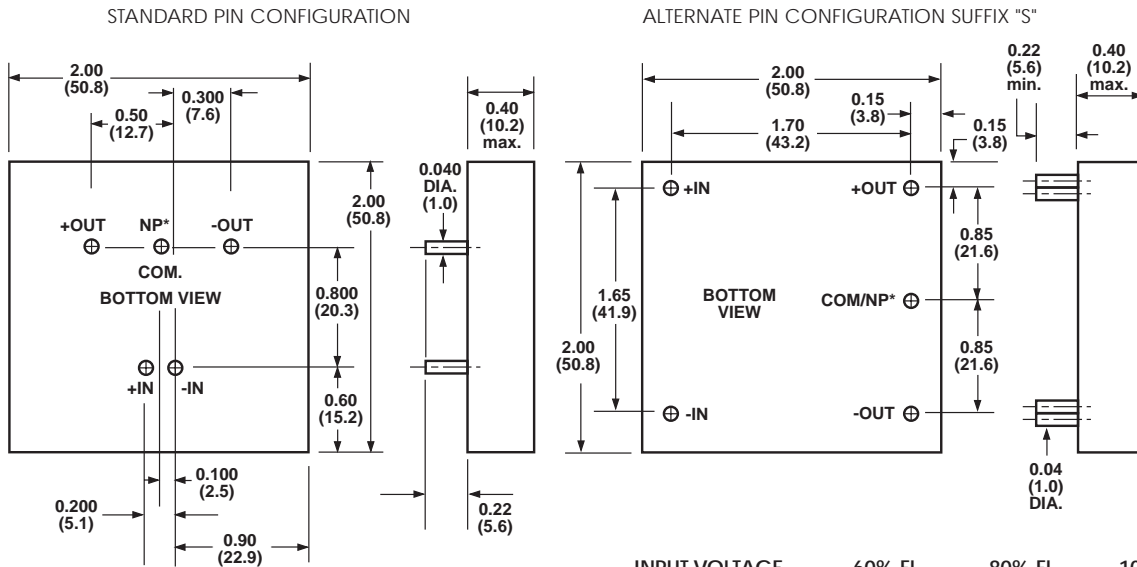
Efficiency.....60%  
 Isolation Voltage.....500 VDC min.  
 Isolation Capacitance.....80pF  
 Isolation Resistance.....10<sup>9</sup>ohms  
 Switching Frequency.....20KHz, min  
 Operating Temperature Range.....-25°C to + 71°C  
 Case Temperature (Plastic case).....95°C max.  
     (Copper case).....100°C max.  
 Cooling.....Free-Air Convection  
 Storage Temperature Range.....-40°C to + 100°C  
 EMI/RFI.....Six-Sided Continuous Shield  
 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

## CASE C

All Dimensions In Inches(mm)



NP\* - NO PIN ON SINGLE OUTPUT MODLES

INPUT VOLTAGE	60% FL	80% FL	100% FL
5V	4.4-6.5V	4.5-6.0V	4.65-5.5V
12V	10.56-15.6V	10.8-14.4V	11.16-13.2V
24V	21.12-31.2V	21.6-28.8V	22.32-26.4V
28V	24.64-36.4V	25.2-33.6V	26.04-30.8V
48V	42.24-62.4V	43.2-57.6V	44.64-52.8V

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