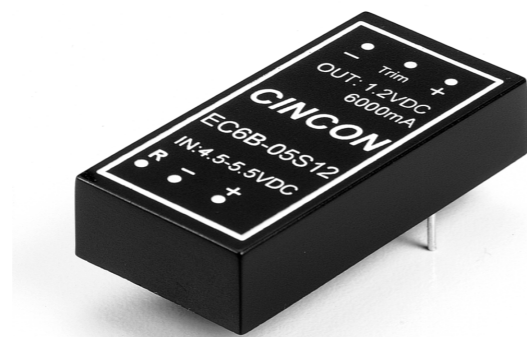


EC6B

7.2 TO 20 WATT DC-DC CONVERTERS SINGLE OUTPUT



Features

- 20W Non-Isolated Output
- Efficiency to 88%
- Constant Frequency
- Regulated Outputs
- Over Current Protection
- Under Input Voltage Protection
- Output Voltage Adjustment
- Remote On/Off Control

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		%EFF	CASE
				NO LOAD	FULL LOAD		
EC6B-05S12	4.5-5.5 VDC	1.2 VDC	6A	40 mA	1895 mA	76	B
EC6B-05S21	4.5-5.5 VDC	2.1 VDC	6A	40 mA	3000 mA	84	B
EC6B-05S25	4.5-5.5 VDC	2.5 VDC	6A	40 mA	3530 mA	85	B
EC6B-05S33	4.5-5.5 VDC	3.3 VDC	6A	40 mA	4500 mA	88	B

NOTE : 1. Nominal Input Voltage 5 VDC

Specifications

INPUT SPECIFICATIONS:

Input Voltage Range..... 5V..... 4.5-5.5V
 Input Filter Type¹.....Capacitive
 Remote shutdown².....Positive Logic

OUTPUT SPECIFICATIONS:

Voltage Accuracy±1% max.
 External Trim Adj. Range±10%
 Ripple & Noise, 20MHz BW³.....75mV pk-pk max.
 Temperature Coefficient.....±0.05%/°C
 Over Current Protection.....Auto-Recovery
 Current Limit120% ~150% Nominal Output
 Line Regulation⁴±0.5% max.
 Load Regulation⁵.....±0.5% max.

GENERAL SPECIFICATIONS:

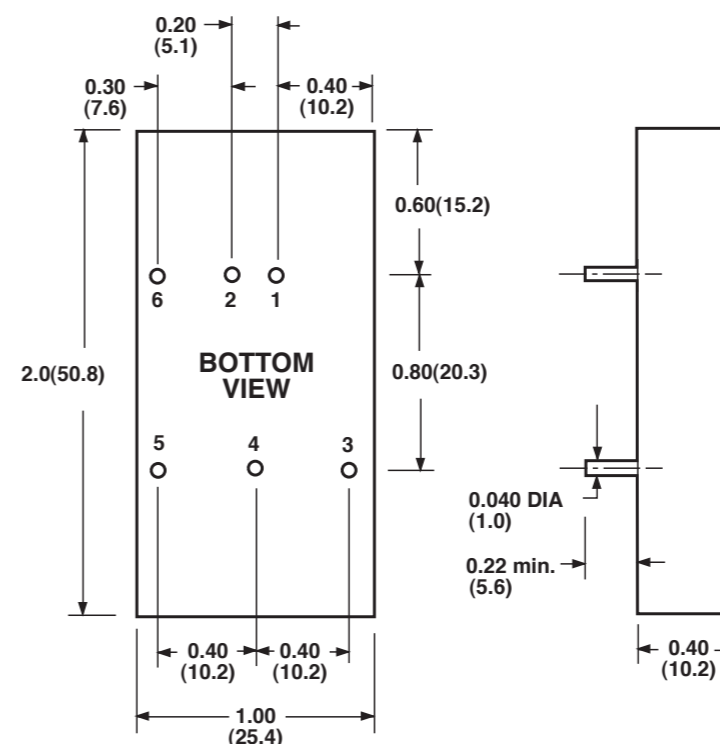
Efficiency.....See Table
 Switching Frequency200KHz Typ.
 Operating Temperature Range.....-25°C to 71°C
 Case Temperature95°C max.
 Storage Temperature Range.....-40°C to +105°C
 Dimensions2.0x1.0x0.4 inches (50.8x25.4x10.2 mm)
 Case MaterialNon-Conductive Black Plastic
 Weight......23g

NOTE:

1. Specification apply to model and require an 470µF input capacitor.
2. Logic Compatibility with Open Collector TTL or CMOS.
3. Measured From Output connect with an external capacitor 0.1µF ceramic.
4. Measured From High Line to Low Line.
5. Measured From Full Load to 10% Load.

CASE B

All Dimensions In Inches(mm)
 Tolerance .xx= ±.04, .xxx= ±.010



PIN CONNECTION	
Pin	Function
1.	+Input
2.	-Input
3.	+Output
4.	Trim
5.	-Output
6.	Remote ON/OFF

