

NEW

查询"COB75W-24S05"供应商

75 WATT 4:1 INPUT RANGE DC-DC CONVERTERS



- 75W Isolated Output
- Quarter-Brick Package
- Efficiency Up to 87%
- 4 : 1 Input Range
- Continuous Short Circuit Protection

NOTE: 1. Nominal Input Voltage 24, 48 VDC

INPUT SPECIFICATIONS:

Input Voltage Range.....	24V.....	9-36V.....
	48V.....	18-75V.....
Under voltage lockout	24Vin power up	8.8V.....
	24Vin power down	8.0V.....
	48Vin power up	17V.....
	48Vin power down	16V.....
Positive Logic Remote ON/OFF (see note 4 & 5)		
Input Filter		PI Type.....

OUTPUT SPECIFICATIONS:

Voltage Accuracy		±1.5% max.
Transient Response :75% to 100% Step Load Change		
Error Band		±5% Vout
Recover Time		<500µS
External Trim Adj. Range		±10%
Ripple & Noise, 20MHz BW		
3.3V & 5V		40mV RMS, max.
		100mV pk-pk, max.
12V & 15V		60mV RMS, max.
		150mV pk-pk, max.
24V		100mV RMS, max.
		240mV pk-pk, max.
Temperature Coefficient		±0.03%/°C
Short Circuit Protection		Continuous
Line Regulation ¹		±0.2% max.
Load Regulation ²		±0.2% max.
Over Voltage Protection trip Range, % Vo nom.		115-140%
Current Limit		110% ~140% Nominal Output

GENERAL SPECIFICATIONS:

Efficiency.....	See Table
Isolation Voltage	Input/Output..... 1500VDC min.
	Input/Case..... 1500VDC min.
	Output/Case..... 1500VDC min.
Isolation Resistance	10 ⁹ ohm min.
Switching Frequency	300KHz, Typ.
Operating Case Temperature	-40°C to +100°C
Storage Temperature	-55°C to +105°C
Thermal Shutdown, Case Temp.	105°C Typ.
Dimensions.....	1.45 x 2.28 x 0.50 inches(36.8 x 57.9 x 12.7 mm)
Case Material	Aluminum Base-plate with Plastic Case
Weight.....	TBD

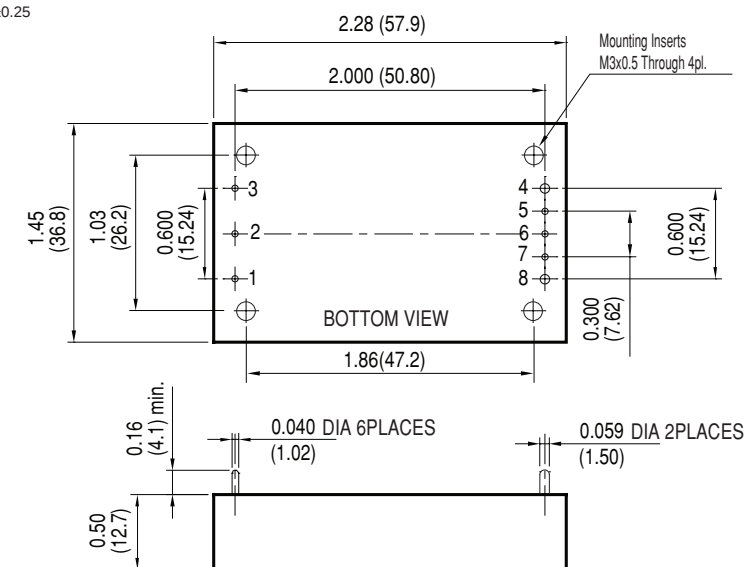
<i>Pin</i>	<i>Function</i>
1	+V Input
2	ON/OFF
3	-V Input
4	-V Output
5	-Sense
6	Trim
7	+Sense
8	+Vout

NOTE:

1. Measured From High Line to Low Line
2. Measured From Full Load to Zero Load
3. Output Ripple and Noise measured with 10uF tantalum and 1uF Ceramic capacitor across output
4. Logic Compatibility Open Collector ref to -Input
 Module ON >3.5Vdc to 75Vdc or Open Circuit
 Module OFF < 1.8Vdc
5. Suffix "N" to the Model Number with Negative Logic Remote ON/OFF
 Module ON < 1.8Vdc
 Module OFF >3.5Vdc to 75Vdc or Open Circuit

SIZE QB

All Dimensions In Inches(mm)
Tolerance Inches: x.xx= ± 0.02 , x.xxx= ± 0.010
 Millimeters: x.x= ± 0.5 , x.xx= ± 0.25



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