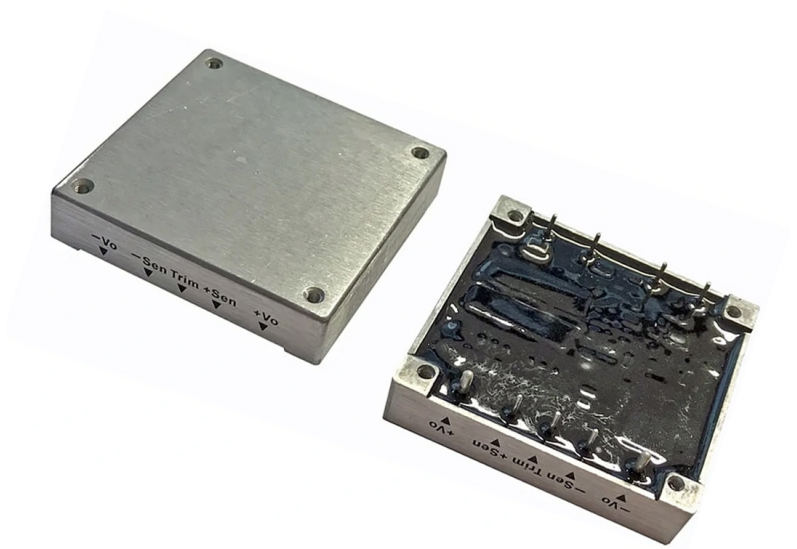


FEATURES

- * 99 - 150W Isolated Output
- * Efficiency to 89%
- * 500KHz Switching Frequency
- * 2:1 Input Range
- * Regulated Outputs
- * Continuous Short Circuit Protection
- * Five-Sided Metal Case
- * Half-Brick Size Meets Industrial Standard
- * UL60950-1 Approval
- * Without Tantalum Capacitor Inside (Except 3.3&5Vout)



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
PS150-48S33	36-75 VDC	3.3 VDC	0 mA	30 A	25 mA	2.5 A	82	30000uF
PS150-48S05	36-75 VDC	5 VDC	0 mA	30 A	25 mA	3.6 A	86	30000uF
PS150-48S12	36-75 VDC	12 VDC	0 mA	12.5 A	25 mA	3.5 A	89	12500uF
PS150-48S15	36-75 VDC	15 VDC	0 mA	10 A	25 mA	3.5 A	89	10000uF
PS150-48S24	36-75 VDC	24 VDC	0 mA	6.25 A	25 mA	3.5 A	89	6250uF

NOTE: 1. Nominal Input Voltage 48VDC

SPECIFICATIONS

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

INPUT SPECIFICATIONS:

Input Voltage Range	48V.....	36-75V
Input Surge Voltage (100ms max.)	48V	100Vdc max.
Under Voltage Lockout	48Vin Power Up	34V
	48Vin Power Down	32.5V

Positive Logic Remote ON/OFF (note3&4)

Input Filter Pi Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy	±1.0% max.
Transient Response: 25% Step Load Change	<500µs.
External Trim Adj. Range	±10%
Ripple & Noise, 20MHz BW(note5)	

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 $\pm 0.03\%/^{\circ}\text{C}$ max.

Short Circuit Protection Continuous

Line Regulation (note1) $\pm 0.2\%$ max.

Load Regulation (note2) $\pm 0.2\%$ max.

Over Voltage Protection Trip Range, % Vo Nom. 115-140%

Current Limit 110%-140% Nominal Output

Start up time 5ms typ.

CASE HB

All Dimensions In Inches(mm)

Tolerances Inches: X.XX= ± 0.02 , X.XXX= ± 0.010

Millimeters: X.X= ± 0.5 , X.XX= ± 0.25

GENERAL SPECIFICATIONS:

Efficiency See Table

Isolation Voltage Input/Output 1500VDC min.
Input/Case, Output/Case 1500VDC min.

Isolation Resistance 10^7 ohm min.

Isolation Capacitance 1000pF typ.

Switching Frequency 500KHz typ.

Operating Case Temperature -40°C to 100°C

Storage Temperature -40°C to +105°C

Humidity 95% RH max. Non condensing

MTBF MIL-HDBK-217F, GB, 25°C, Full Load 900Khrs typ.

Thermal Shutdown Case Temperature 100°C typ.

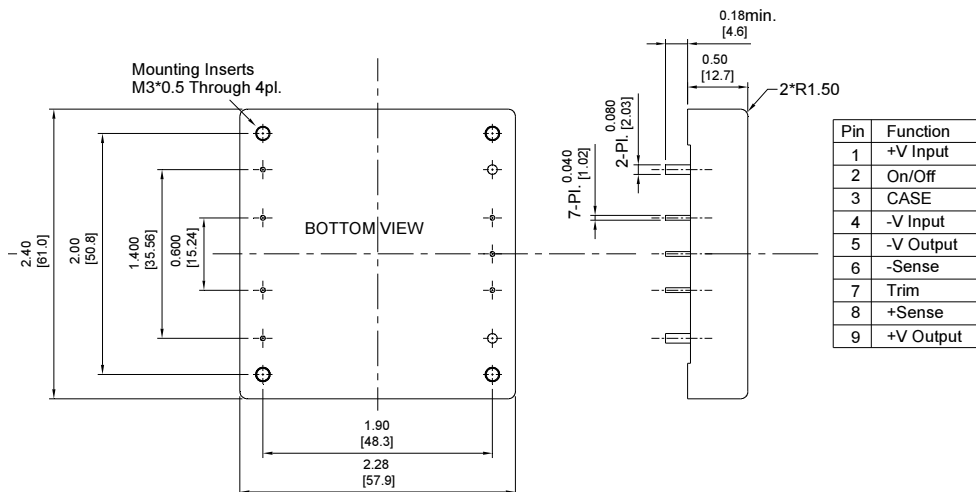
Dimensions 2.28x2.40x0.50 inches (57.9x61.0x12.7 mm)

Case Material Aluminum

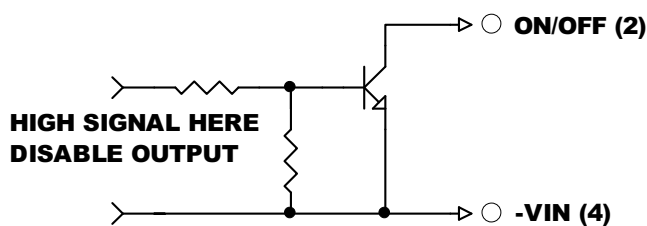
Weight 100g

NOTE:

1. Measured from high line to low line.
2. Measured from full load to zero load.
3. Logic compatibility open collector ref to -Input
 Module on open circuit
 Module off 0 to < 0.8VDC
4. Suffix "N" to the model number with negative logic remote on/off.
5. Output ripple and noise measured with 10uF tantalum and 1uF ceramic capacitor across output.
6. Suffix "-C" to the model number with clear mounting insert. (3.2mm DIA.)



REMOTE ON/OFF CONTROL



EXTERNAL OUTPUT TRIM

