

30 Watts DIL Type Wide Input DC - DC Converter

FEATURES

- ◆ Regulated Output
- ◆ Input UVLO & OVLO
- ◆ High Efficiency
- ◆ Industry Standard Package
- ◆ UL94V-0 Package Material
- ◆ 100% Burn In

SPECIFICATIONS

Input Voltage Range..... 2:1 Input Range
Protection..... Fuse Recommend
Input Filter..... Pi Network
Voltage Set Point Accuracy..... $\pm 2\%$ max.
Temperature Coefficient..... $\pm 0.05^\circ\text{C}$
Ripple & Noise¹ (20MHz BW)..... 150mVp-p max.
Load Regulation²..... $\pm 0.5\%$ max.
Line Regulation³..... $\pm 0.3\%$ max.
Min. Load..... 10% of full load
Short Circuit Protection..... Continuous
Transient Response 500 μs max.
Efficiency..... 88% Typ.
Isolation Voltage 1500 VDC min.
Isolation Resistance..... 10^9 ohms min.
Isolation Capacitance..... 3000pF max.
Switching Frequency..... 300 KHz typ.
Operating Temperature..... -40°C to $+55^\circ\text{C}$
Storage Temperature -55°C to $+125^\circ\text{C}$
Case Temperature $+100^\circ\text{C}$ max.
Humidity..... 95% max.
Cooling..... Free-Air Convection
Case Material..... Six-Sided Continuous Shield
Case Size..... 50.8 x 25.4 x 11.2 mm
Weight..... 31.2g Typ.
Packing..... 10 pcs / tube ; 400 pcs per carton

Note:

(1) Measured with 1 μF ceramic capacitor connect to the output pins.

(2) Load Regulation is for output load current change from 10% to 100%.

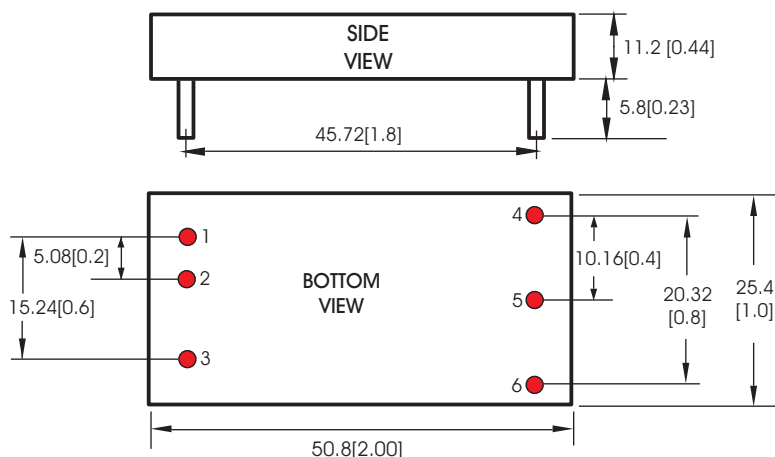
(3) High line to low line.



Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EEF.
DA30-10	9-18	3.3	7000	85
DA30-11	9-18	5	6000	88
DA30-12	9-18	12	2500	89
DA30-13	9-18	15	2000	89
DA30-20	18-36	3.3	7000	86
DA30-21	18-36	5	6000	88
DA30-22	18-36	12	2500	89
DA30-23	18-36	15	2000	90
DA30-30	36-75	3.3	7000	85
DA30-31	36-75	5	6000	88
DA30-32	36-75	12	2500	89
DA30-33	36-75	15	2000	90

DC/DC Converter

MECHANICAL DRAWING (Unit: mm [inch])



PIN	SINGLE
1	+Vin
2	-Vin
3	Remote On/Off
4	+Vout
5	-Vout
6	Trim