

40 Watts DIL Type Wide Input Range DC - DC Converter

FEATURES

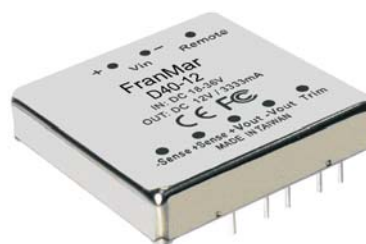
- ◆ High Efficiency
- ◆ 100% Burn In
- ◆ 3 Years Warranty
- ◆ Industry Standard Package
- ◆ UL94V-0 Package Material

SPECIFICATIONS

Input Voltage Range..... 2:1 & 4:1 Input Range
Input Filter..... Pi Network
Protection..... Fuse Recommend
Voltage Set Point Accuracy..... $\pm 2\%$ max.
Temperature Coefficient..... $\pm 0.03\%^\circ\text{C}$
Ripple & Noise¹ (20MHz BW)..... 100mVp-p max.
Load Regulation²..... $\pm 0.5\%$ max.
Line Regulation³..... $\pm 0.5\%$ max.
Min. Load..... 10% of full load
Short Circuit Protection..... Continuous
Short Circuit Restart..... Automatic
Transient Response 500 μs max.
Efficiency..... 90% Typ.
Isolation Voltage 1500 VDC min.
Isolation Resistance..... 10^9 ohms min.
Isolation Capacitance..... 2500pF max.
Switching Frequency..... 250 Khz Typ.
Operating Temperature.....(no Heat-Sink)..... -40°C to $+60^\circ\text{C}$
Operating Temperature.....(with Heat-Sink)..... -40°C to $+75^\circ\text{C}$
Storage Temperature -55°C to $+100^\circ\text{C}$
Humidity..... 95% max.
Cooling..... Free-Air Convection
Case Size..... 50.8 x 50.8 x 11.0 mm
Weight..... 50g Typ.
Packing..... 5 pcs / tube ; 200 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.
D40-x0 (HS)	see note	3.3	10000	88
D40-x1 (HS)	see note	5	8000	91
D40-x1B (HS)	see note	9	4444	91
D40-x2 (HS)	see note	12	3333	90
D40-x3 (HS)	see note	15	2667	90
D40-y0 (HS)	see note	3.3	10000	87
D40-y1 (HS)	see note	5	8000	89
D40-y1B (HS)	see note	9	4444	85
D40-y2 (HS)	see note	12	3333	88
D40-y3 (HS)	see note	15	2667	87

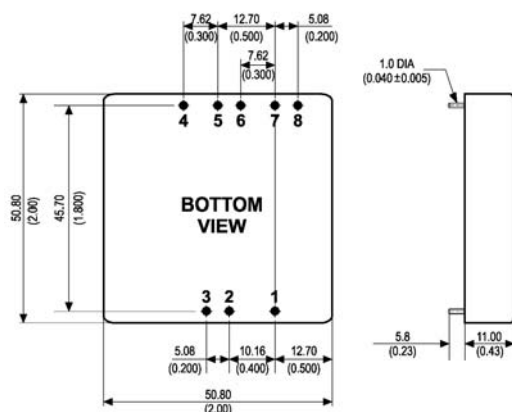
Remark:

Suffix "HS" for Heat Sink Type

Note:

x=1, input range 9-18VDC
x=2, input range 18-36VDC
x=3, input range 36-75VDC
y=4, input range 9-36VDC
y=5, input range 18-75VDC

MECHANICAL DRAWING (Unit: mm[inch])



PIN	SINGLE	PIN	SINGLE
1	Remote On/Off	5	+Sense
2	-Vin	6	+Vout
3	+Vin	7	-Vout
4	-Sense	8	Trim

