

60-80 Watts DIL Type Wide Input DC - DC Converter

FEATURES

- ♦ Industry Standard package
- ♦ High Efficiency
- ♦ UL94V-0 Package Material
- ♦ 100% Burn In

SPECIFICATIONS

Input Voltage Range..... 2:1 Input Range
Input Filter..... PI Network
Protection..... Fuse Recommend
Voltage Set Point Accuracy..... $\pm 2\%$ max.
Temperature Coefficient..... $\pm 0.03\%$ °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
Transient Response 500uS max.
Efficiency..... 92% Typ.
Isolation Voltage 1500 VDC min.
Isolation Resistance..... 10^9 ohms min.
Isolation Capacitance..... 2500pF max.
Switching Frequency..... 250 KHz Typ.
Operating Temp..... (no Heat-Sink)..... 60W: -40°C to +55°C
Operating Temp..... (no Heat-Sink)..... 80W: -40°C to +40°C
Operating Temp..... (w/ Heat-Sink)..... 60W: -40°C to +60°C
Operating Temp..... (w/ Heat-Sink)..... 80W: -40°C to +50°C
Storage Temperature -55°C to +100°C
Humidity..... 95% max.
Cooling..... Free-Air Convection
Case Material..... Six-Sided Continuous Shield
Case Size..... 50.8 x 50.8 x 11.0 mm
Weight..... 67g Typ.
Packing..... 5 pcs / tube ; 200 pcs per carton

Note:

(1) Measured with 1uF 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.

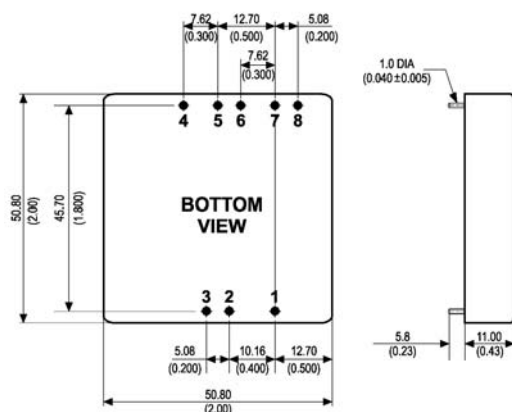


Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EEF.
DA60-11 (HS)	9-18	5	12000	91
DA60-12 (HS)	9-18	12	5000	92
DA60-13 (HS)	9-18	15	4000	92
DA60-20 (HS)	18-36	3.3	12000	92
DA60-21 (HS)	18-36	5	12000	90
DA60-22 (HS)	18-36	12	5000	93
DA60-23 (HS)	18-36	15	4000	93
DA60-30 (HS)	36-75	3.3	12000	92
DA60-31 (HS)	36-75	5	12000	92
DA60-32 (HS)	36-75	12	5000	92
DA60-33 (HS)	36-75	15	4000	92
DA80-51 (HS)	18-36	5	16000	92
DA80-52 (HS)	18-36	12	6666	92
DA80-53 (HS)	18-36	15	5333	92
DA80-61 (HS)	36-75	5	16000	92
DA80-62 (HS)	36-75	12	6666	92
DA80-63 (HS)	36-75	15	5333	92

Remark:

Suffix "HS" for Heat Sink Type

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

