

60 Watts DIP Type Wide Input DC - DC Converter



FEATURES

- Industry Standard package
- Efficiency up to 93%
- UL94V-0 Package Material
- 100% Burned In

SPECIFICATIONS

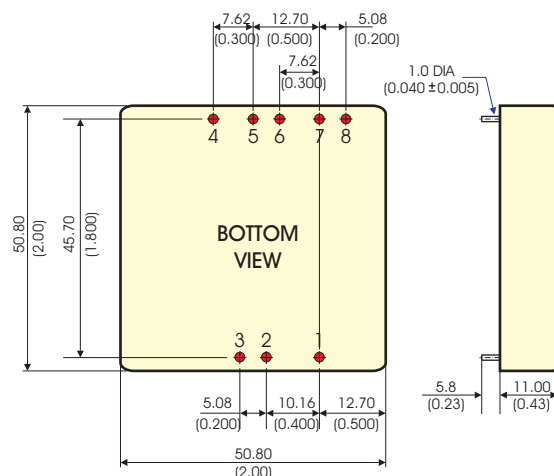
Input Voltage Range..... 2:1 Input Range
 Input Filter.....Pi Network
 Protection..... Fuse Recommend
 OVLO & UVLO Circuit Restart Automatic
 Overvoltage Protection.....Built-in
 Voltage Set Point Accuracy..... ± 2% max.
 Temperature Coefficient..... +/-0.03%°C
 Ripple & Noise¹ (20MHz BW).....100mVp-p max.
 Load Regulation²..... ± 0.5% max.
 Line Regulation³..... ± 0.5% max.
 Min. Load..... 10% of full load
 Short Circuit Protection.....Continuous
 Short Circuit RestartAutomatic
 Over Load Protection.....150% Typ.
 Transient Response (25% step load change)..... 500uS max.
 External Trim Adj. Range ±10%
 Efficiency..... 92% Typ.
 Isolation Voltage (for 10 sec.).....150 VDC min.
 Isolation Resistance..... 10⁹ ohms min.
 Isolation Capacitance..... 2500pF max.
 Switching Frequency..... 250 Khz min.
 Conducted Emissions..... EN55022 Class A
 Radiated Emissions..... EN55022 Class A
 Operating Temperature..... -40°C to +55°C
 Storage Temperature -55°C to +100°C
 Case Temperature +100°C max.
 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.

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Output Current (mA)		EFF. %
				NoLoad	FullLoad	
DA60-11	9-18	5	12000	160	5505	91
DA60-12	9-18	12	5000	160	5430	92
DA60-13	9-18	15	4000	160	5430	92
DA60-20	18-36	3.3	12000	100	1812	92
DA60-21	18-36	5	12000	100	2778	90
DA60-22	18-36	12	5000	100	2701	93
DA60-23	18-36	15	4000	100	2690	93
DA60-30	36-75	3.3	12000	50	906	92
DA60-31	36-75	5	12000	50	1354	92
DA60-32	36-75	12	5000	50	1356	92
DA60-33	36-75	15	4000	80	1358	92

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.

MECHANICAL DRAWING (Unit: mm (inch))



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

Remote On/Off Control			
Control Input	PIN1	Control Common	PIN2
Control Voltage		Converter Shutdown Idle Current	10mA
ON	>+2.5VDC or Open Circuit	Logic Compatibility	CMOS or Open Collector TTL
OFF	<+0.5VDC or Jumper to PIN2		