D30 SERIES

30 Watts DIP Type
Wide Input Range
DC - DC Converter

FEATURES

- 9-18V,18-36V,36-72V,9-36V,18-72V Wide Input Range
- UL 94V-0 Package Material
- High Efficiency
- Industry Standard Package
- 100% Burn In

SPECIFICATIONS

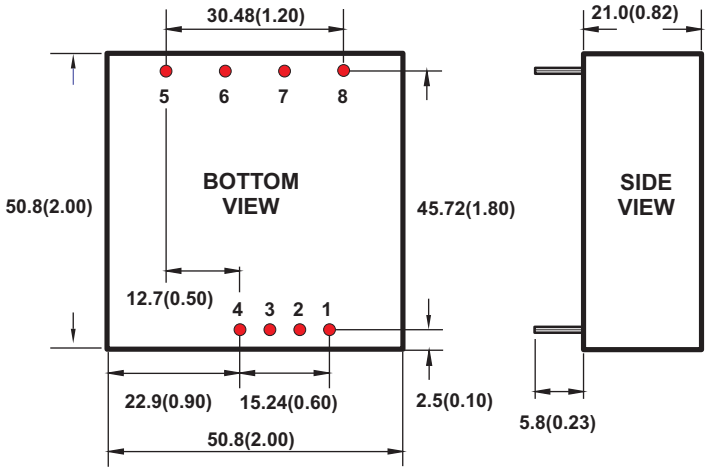
Input Voltage Range.....2:1 or 4:1 Input Range
Input Filter..... Pi Network
Voltage Set Point Accuracy.....±2% max.
Temperature Coefficient.....+/-0.05%°C
Ripple & Noise (20MHz BW).....150mVp-p max.
Line Regulation[1]: Single..... ±0.5% max.
Dual..... ±0.5% max.
Triple: 5V..... ±0.5% max.
12V/15V..... ±1% max.
Load Regulation[2]: Single..... ±0.5% max.
Dual..... ±0.5% max.
Triple: 5V..... ±5% max.
Short Circuit Protection.....Continuous
Over Voltage Protection.....Built-in
External Trim Adj. Range.....±10%
Efficiency.....79% min.
Transient Response (Full to ½ Load)..... 500 uS max.
Isolation Voltage[3].....1500 VDC min.
Isolation Resistance.....10^9 ohms min.
Switching Frequency.....100 Khz min.
Operating Temperature.....-40℃ to + 71℃
Storage Temperature .....-55℃ to +100℃
Cooling.....Free-Air Convection
Case..... Six-Side Shielded Case
Case Size.....50.8 x 50.8 x 21 mm
Weight.....110g Typ.

Note: (1) High Line to Low Line
(2) Load Regulation is for output load current from 10% to 100%
(3) For 10 Seconds

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EFF. %
D30-x1	See Note	5	5000	80
D30-x1B	See Note	9	3333	79
D30-x2	See Note	12	2500	81
D30-x3	See Note	15	2000	81
D30-x9	See Note	24	1250	81
D30-x4	See Note	±5	±2500	80
D30-x5	See Note	±12	±1250	80
D30-x6	See Note	±15	±1000	80
D30-x7	See Note	+5, ±12	3500, ±310	80
D30-x8	See Note	+5, ±15	3500, ±250	80

Note:
Input Voltage:
x=1, Input 12VDC, range: 9-18VDC
x=2, Input 24VDC, range:18-36VDC
x=3, Input 48VDC, range:36-72VDC
x=4, Input 12VDC, range: 9-36VDC
x=5, Input 24VDC, range:18-72VDC (9VDC is not available)

MECHANICAL DRAWING (Unit: mm (inch))



PIN	SINGLE	DUAL	TRIPLE
1	Remote On/Off		
2		NO PIN	
3	-Vin	-Vin	-Vin
4	+Vin	+Vin	+Vin
5	NC	+Vout	+Aux. out
6	+Vout	Common	+5V out
7	-Vout	-Vout	Common
8	TRIM	TRIM	-Aux. out

Remote On/Off Control

Control Input	PIN1	Control Common	PIN3
Control Voltage		Converter Shutdown Idle Current	10mA
ON	>+2.5VDC or Open Circuit	Logic Compatibility	CMOS or Open Collector TTL
OFF	<+0.8VDC or Jumper to PIN3		