

1 Watt, 28D Series, Surface Mount DC-DC

- 2 : 1 Input Ranges
- 16PIN SMD Package
- High Efficiency up to 83%
- Regulated Output Types
- High Power Density
- No External Component Required
- Operating Temperature: -40°C TO +85°C
- Industry Standard Pinout
- 1.5KV Isolation



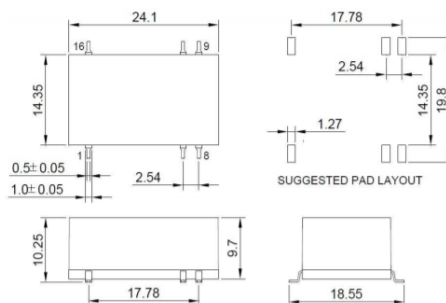
Specification

Input Voltage..... 2 : 1 Input ranges (see table below)
 Output Voltage..... See table below,
 Short Circuit Protection..... Continuous
 Operating Temperature -40°C TO +85°C
 Mechanical Size & Weight..... 24.1 x 14.35 x 10.25mm, 3.9g
 Package..... 16 PIN Surface Mount package
 Isolation Resistance..... 500VDC – Min 1000MΩ
 Switching Frequency..... Full load, nominal input 100 KHz
 Humidity..... Non Condensing 95 %
 MTBF..... MIL-HDBK-217F @25°C 10000000 Hours min

Models and Ratings

Model	Input Voltage (xx)	Output Voltage	Maximum Output Current
28D-xxS03R1W	4.5 - 9 VDC 9 - 18 VDC 18 - 36 VDC 36 - 75 VDC	3.3 V	303 mA
28D-xxS05R1W		5.0 V	200 mA
28D-xxS12R1W		12.0 V	84 mA
28D-xxS15R1W		15.0 V	67 mA
28D-xxD05R1W		+/-5.0 V	+/-100 mA
28D-xxD12R1W		+/-12.0 V	+/-42 mA
28D-xxD15R1W		+/-15.0 V	+/-34 mA

Note : 'xx' denotes input voltage : 05 = 4.5-9V / 12 = 9-18V / 24 = 18-36V / 48 = 36-75V



Pin Connections						
Pin	1	7	8	9	10	16
Single	-Vin	NC	NC	+Vout	-Vout	+Vin
Dual	-Vin	NC	COM	+Vout	-Vout	+Vin