

13D-2W – SERIES

1000 VDC SINGLE OUTPUT 2 WATT DC-DC CONVERTER

FEATURES

- 14 pin SIP package
- 1000VDC isolation
- Unregulated output types.
- UL 94V-0 package material.
- Wind Temperature Performance at full 2 WATT load -40°C to 85°C



GENERAL SPECIFICATIONS

Isolation resistance	: 1000MΩ Min @500VDC
Switching frequency	: 90KHz TYP.
Operating temperature	: -40°C to 85°C
Isolation voltage	: 1000 VDC
Ripple and noise	: 200 mVp-p MAX

ELECTRICAL SPECIFICATIONS

Input voltage range	: ±10%
Output voltage tolerance	: ±5%
Line regulation (10% to 100% F.L.)	: ±1.2%/1% of Vin
Load regulation (10% to 100% F.L.)	
5V and 15V Output types	: 15% Max
9V and 12V Output types	: 10% Max

Part Number.	Nominal Input Voltage (V)	Output Voltage (V)	Output Current (mA)	Ripple And Noise (mVp-p)	Input Current At Rated Load (mA)	Efficiency (%)	Isolation Capacitance (pF)
13D-05S05N2W	5	5	400	96	513	78	19
13D-05S09N2W	5	9	222	67	492	81	27
13D-05S12N2W	5	12	167	59	479	84	32
13D-05S15N2W	5	15	133	53	481	83	27
13D-12S05N2W	12	5	400	76	207	81	28
13D-12S09N2W	12	9	222	63	198	84	42
13D-12S12N2W	12	12	167	53	197	85	46
13D-12S15N2W	12	15	133	45	197	85	54

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

PIN CONNECTION

PIN	SINGLE OUTPUT
1	-INPUT
2	+INPUT
3	-OUTPUT
4	+OUTPUT

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MARKING AND DIMENSION

Dimensions: inches/mm unless otherwise specified, all tolerances are $\pm 0.05/\pm 0.13$

