



13D-2W SERIES

1000VDC SINGLE OUTPUT 2 WATT DC-DC CONVERTER

FEATURES

- 4 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

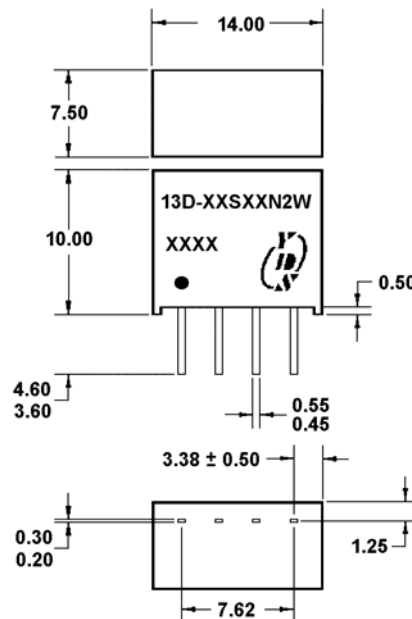
ELECTRICAL SPECIFICATIONS

- 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 :8.5% MAX
9V AND 12V OUTPUT TYPES :5.5% MAX

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

PART NUMBER	NOMINAL INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE AND NOISE	INPUT CURRENT AT RATED LOAD	EFFICIENCY	ISOLATION CAPACITANCE
	(V)	(V)	(mA)	(mVp-p)	(mA)	(%)	(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

MARKINGS AND DIMENSIONS



PIN CONNECTION

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

Dimensions: inches/mm

Unless otherwise specified, all tolerances are ±.005/±0.13