

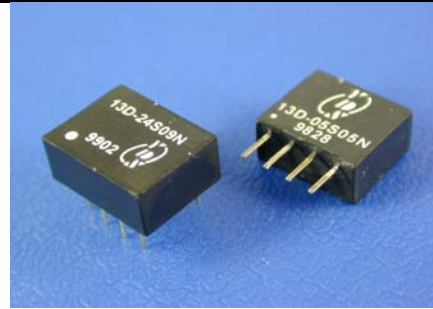


13D SERIES

1000VDC SINGLE OUTPUT 1 WATT DC-DC CONVERTER

FEATURES

- 4 PIN SIP AND 8 PIN DIL PACKAGE.
- 1000VDC ISOLATION.
- UNREGULATED OUTPUT TYPES.
- UL 94V-0 PACKAGE MATERIAL.



GENERAL SPECIFICATIONS

- OUTPUT RIPPPL (20MHz Band limited) : 150mVp-p MAX
- ISOLATION RESISTANCE :1000MΩ MIN @500VDC
- SWITHINGFREQUENCY :100KHz TYP.
- OPERATING TEMPERATURE :0 °C TO 70°C
- ISOLATION VOLTAGE :1000 VDC

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.)
- 3.3V AND 5V OUTPUT TYPES :15% MAX
- 9V,12V AND 15V OUTPUT TYPES :10% MAX

3.3v,5V,12V,24V,48V input types

PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE
13D-03S05N	5	100	70	1	13D-03S05N3	5	100	70	3
13D-03S09N	9	56	75	1	13D-03S09N3	9	56	75	3
13D-03S12N	12	42	75	1	13D-03S12N3	12	42	75	3
13D-03S15N	15	34	75	1	13D-03S15N3	15	34	75	3
13D-05S03N	3.3	154	70	1	13D-05S03N3	3.3	154	75	3
13D-XXS05N	5	200	70	1	13D-XXS05N3	5	200	70	3
13D-XXS09N	9	110	75	1	13D-XXS09N3	9	110	75	3
13D-XXS12N	12	84	75	1	13D-XXS12N3	12	84	75	3
13D-XXS15N	15	67	75	1	13D-XXS15N3	15	67	75	3
13D-48S05N2	5	200	70	2	13D-48S05N4	5	200	70	4
13D-48S09N2	9	110	75	2	13D-48S09N4	9	110	75	4
13D-48S12N2	12	84	75	2	13D-48S12N4	12	84	75	4
13D-48S15N2	15	67	75	2	13D-48S15N4	15	67	75	4

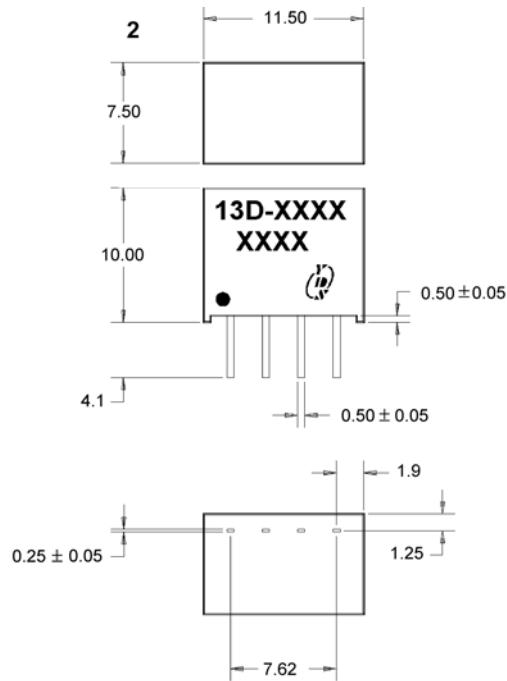
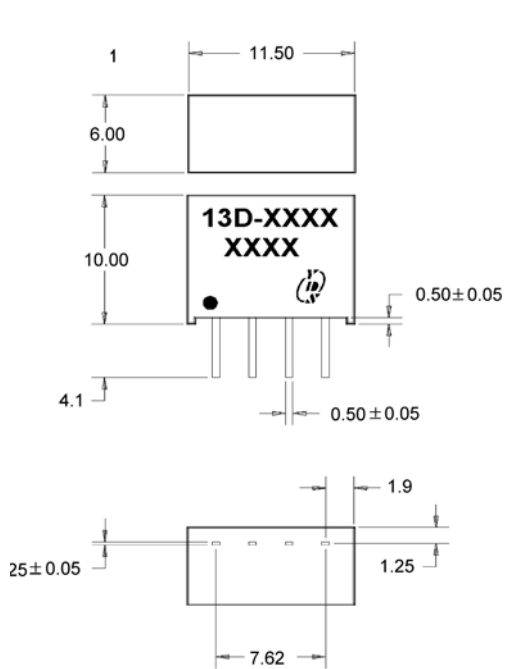


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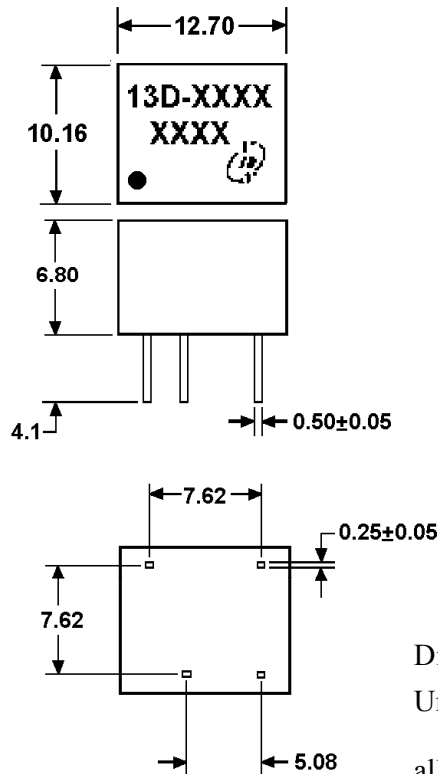
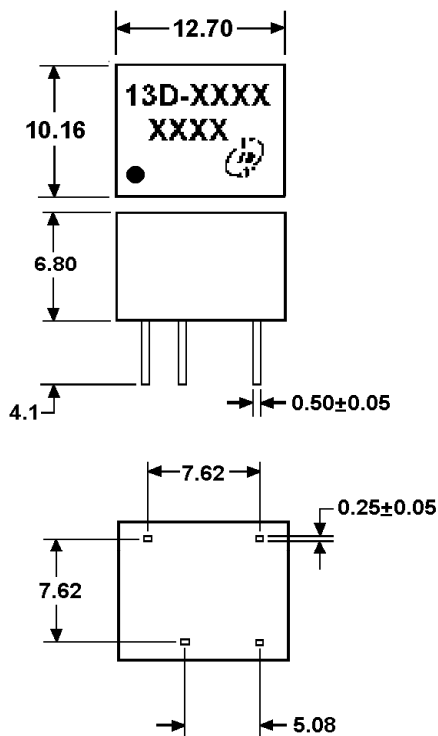
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MARKINGS AND DIMENSIONS

PIN CONNECTION



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



PIN	8 PIN
1	-INPUT
4	+INPUT
5	+OUTPUT
7	-OUTPUT

Dimensions: inches/mm
Unless otherwise specified,
all tolerances are ±0.005/±0.13