

13D – SERIES

1000 VDC SINGLE OUTPUT 1WATT 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 ripple (20MHz Band limited) : 150mVp-p Max
 Isolation resistance : 1000MΩ Min @500VDC
 Switching frequency : 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.) : ±1.2%/1% of Vin
 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
13D-03S05N	5	100	70	1
13D-03S09N	9	56	75	1
13D-03S12N	12	42	75	1
13D-03S15N	15	34	75	1
13D-05S03N	3.3	154	70	1
13D-XXS05N	5	200	70	1
13D-XXS09N	9	110	75	1
13D-XXS12N	12	84	75	1
13D-XXS15N	15	67	75	1
13D-48S05N2	5	200	70	2
13D-48S09N2	9	110	75	2
13D-48S12N2	12	84	75	2
13D-48S15N2	15	67	75	2
13D-03S05N3	5	100	70	3
13D-03S09N3	9	56	75	3
13D-03S12N3	12	42	75	3
13D-03S15N3	15	34	75	3
13D-05S03N3	3.3	154	75	3
13D-XXS05N3	5	200	70	3
13D-XXS09N3	9	110	75	3
13D-XXS12N3	12	84	75	3
13D-XXS15N3	15	67	75	3
13D-48S05N4	5	200	70	4
13D-48S09N4	9	110	75	4
13D-48S12N4	12	84	75	4

PIN CONNECTION

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

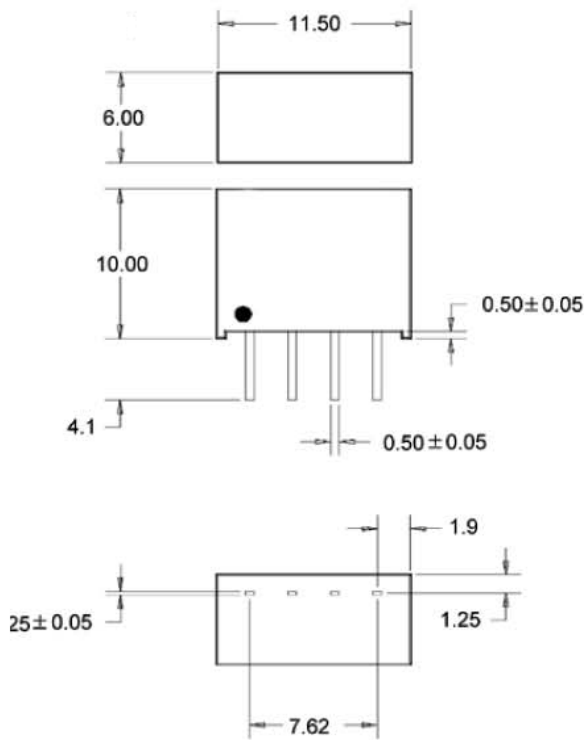
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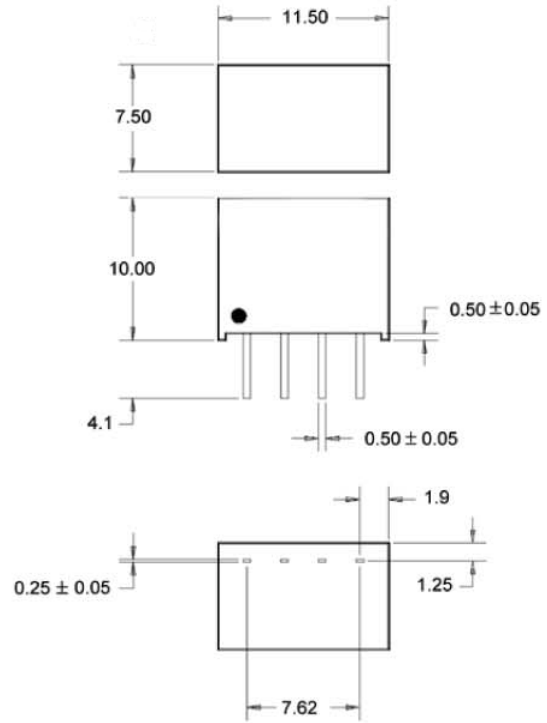
MARKING AND DIMENSION

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

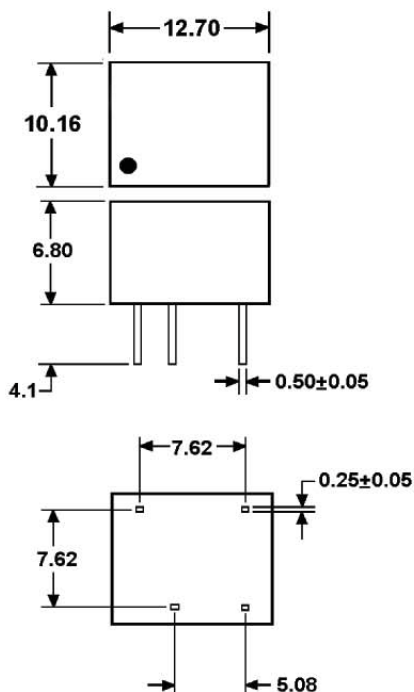
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