

10D/14D – SERIES

1000 VDC SINGLE AND DUAL OUTPUT 1 WATT DC-DC CONVERTER

FEATURES

- 7 pin SIP package
- 1000VDC isolation.
- Unregulated output types
- UL 94V-0 package material



GENERAL SPECIFICATIONS

Output ripple (20MHz Band limited)	
Input 3.3V and 48V TYP.	: 150mVp-p Max
Input 5V, 12V and 24V TYP.	: 100mVp-p Max
Isolation resistance	: 1000MΩ Min @500VDC
Switching frequency	: 100KHz TYP.
Operating temperature	: 0 °C to 70°C
Efficiency	: 70% TYP
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 Input Types

Part Number	Output Voltage (VDC)	Output Current (mA)	Efficiency (% TYP.)	Package Style
10D-XXS05N	5	200	70	1
10D-XXS09N	9	112	75	1
10D-XXS12N	12	84	75	1
10D-XXS15N	15	67	75	1
14D-XXD05N	±5	±100	70	1
14D-XXD09N	±9	±56	75	1
14D-XXD12N	±12	±42	75	1
14D-XXD15N	±15	±34	75	1

48V Input Types

Part Number	Output Voltage (VDC)	Output Current (mA)	Efficiency (% TYP.)	Package Style
10D-48S05N2	5	200	70	2
10D-48S09N2	9	112	75	2
10D-48S12N2	12	84	75	2
10D-48S15N2	15	67	75	2
14D-48D05N2	±5	±100	70	2
14D-48D09N2	±9	±56	75	2
14D-48D12N2	±12	±42	75	2
14D-48D15N2	±15	±34	75	2

PIN CONNECTION

PIN	SINGLE		DUAL
	10D	14D	OUTPUT
1	+IN	+IN	+INPUT
2	-IN	-IN	-INPUT
4	NC	-OUT	-OUTPUT
5	-OUT	NC	COMMON
6	+OUT	+OUT	+OUTPUT

*NC Pin not presented on Single Output Models

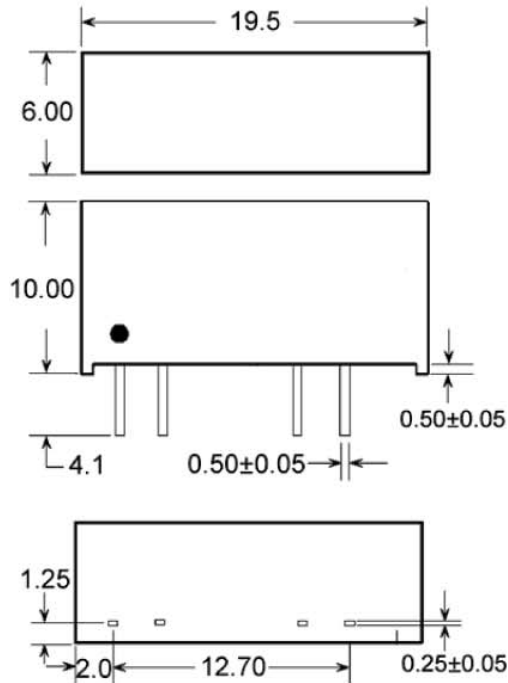
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MARKING AND DIMENSION

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

10D



14D

