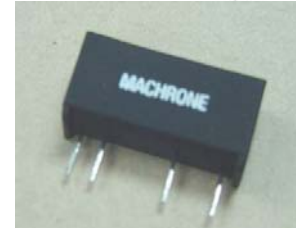


12D – SERIES

3000 VDC SINGLE AND DUAL OUTPUT 1 WATT DC-DC CONVERTER

FEATURES

- 7 pin SIP package
- 3000VDC 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
Efficiency	: 70% TYP.
Isolation voltage	: 3000 VDC

ELECTRICAL SPECIFICATIONS

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

5V, 12V and 24V Input types

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

48V Input types

Part Number	Output Voltage (VDC)	Output Current (mA)	Efficiency (% TYP.)	Package Style
12D-XXS05N2	5	200	70	2
12D-XXS09N2	9	112	75	2
12D-XXS12N2	12	84	75	2
12D-XXS15N2	15	67	75	2
12D-XXD05N2	±5	±100	70	2
12D-XXD09N2	±9	±56	75	2
12D-XXD12N2	±12	±42	75	2
12D-XXD15N2	±15	±34	75	2

PIN CONNECTION

PIN	SINGLE	DUAL
1	+INPUT	+INPUT
2	-INPUT	-INPUT
5	-OUTPUT	-OUTPUT
6	NO PIN	COMMON
7	+OUTPUT	+OUTPUT

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3000 VDC SINGLE AND DUAL OUTPUT 1 WATT DC-DC CONVERTER

MARKING AND DIMENSION

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

