

# 22D – SERIES

## 1000 VDC DUAL OUTPUT 1 WATT DC-DC CONVERTER

### FEATURES

- 14 pin DIL package.
- 1000VDC isolation.
- Unregulated output types
- UL 94V-0 package material



### GENERAL SPECIFICATIONS

Out 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
Short circuit protection	: Short term

### 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 Output types	: 15% Max
9V, 12V and 15V Output types	: 10% Max

#### 5V, 12V, 24V, 48V Input Types

Part Number	Output Voltage (VDC)	Output Current (mA)	Efficiency (% TYP.)	Package Style
22D-XXD05N	±5	±100	70	1
22D-XXD09N	±9	±56	75	1
22D-XXD12N	±12	±42	75	1
22D-XXD15N	±15	±34	75	1
22D-48D05N2	±5	±100	70	2
22D-48D09N2	±9	±56	75	2
22D-48D12N2	±12	±42	75	2
22D-48D15N2	±15	±34	75	2

### PIN CONNECTION

PIN	SINGLE	DUAL
1	-INPUT	-INPUT
7	NC	NC
8	-OUTPUT	COMMON
9	+OUTPUT	+OUTPUT
11	NC	-OUTPUT
14	+INPUT	+INPUT

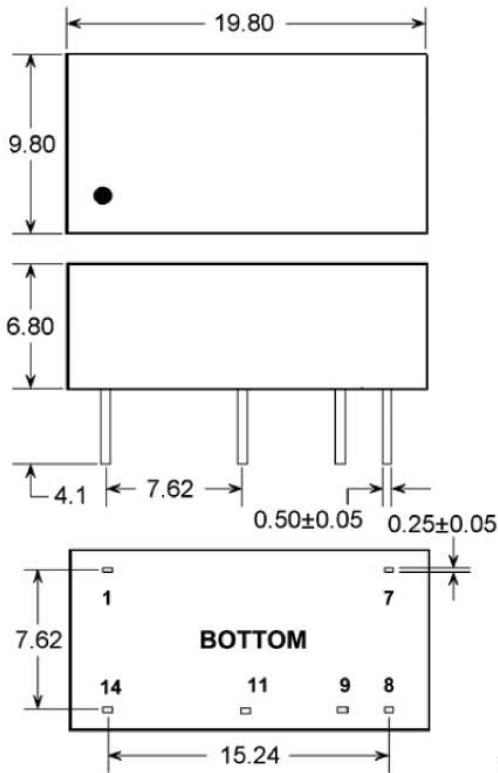
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### MARKING AND DIMENSION

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

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