

# 15D – SERIES

## 1000 VDC REGULATED SINGLE OUTPUT 1 WATT DC-DC CONVERTER

### FEATURES

- 7 pin SIP package.
- 1000VDC isolation
- Output regulation <1.5%
- UL 94V-0 package material.



### GENERAL SPECIFICATIONS

Output ripple (20MHz Band Limited)	: 60mVp-p Max
Isolation resistance	: 100MΩ Min @500VDC
Switching frequency	: 80KHz TYP.
Operating Temperature	: 0°C to 70°C
Efficiency (5V)	: 50% TYP,45%Min
Efficiency (9V,12V,15V)	: 62% TYP,55%Min
Isolation voltage	: 1000 VDC

### ELECTRICAL SPECIFICATIONS

Input voltage range	: ±5%
Output voltage tolerance	: ±5%
Line regulation (10% TO 100% F.L.)	: 0.25%/1% OF Vin
Load regulation (10% TO 100% F.L.)	: 0.9%TYP. 1.5%Max

#### 5V and 12V Input Types

Part Number	Output Voltage (VDC)	Output Current (mA)	Efficiency (% TYP.)	Package Style
15D-XXS05R	5	100	45	1
15D-XXS09R	9	100	55	1
15D-XXS12R	12	83	55	1
15D-XXS15R	15	67	55	1
15D-XXS05R3	5	100	45	3
15D-XXS09R3	9	100	55	3
15D-XXS12R3	12	83	55	3
15D-XXS15R3	15	67	55	3

#### 24V and 48V Input Types

Part Number	Output Voltage (VDC)	Output Current (mA)	Efficiency (% TYP.)	Package Style
15D-XXS05R2	5	100	45	2
15D-XXS09R2	9	100	55	2
15D-XXS12R2	12	83	55	2
15D-XXS15R2	15	67	55	2
15D-XXS05R4	5	100	45	4
15D-XXS09R4	9	100	55	4
15D-XXS12R4	12	83	55	4
15D-XXS15R4	15	67	55	4

### PIN CONNECTION

PIN	7 PIN	PIN	14 PIN
1	+INPUT	1	-INPUT
2	-INPUT	9	+OUTPUT
4	-OUTPUT	10	CTRL
5	CTRL	11	-OUTPUT
6	+OUTPUT	14	+INPUT

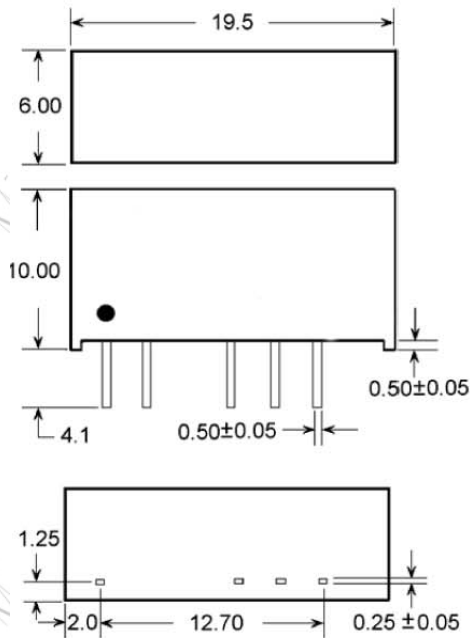
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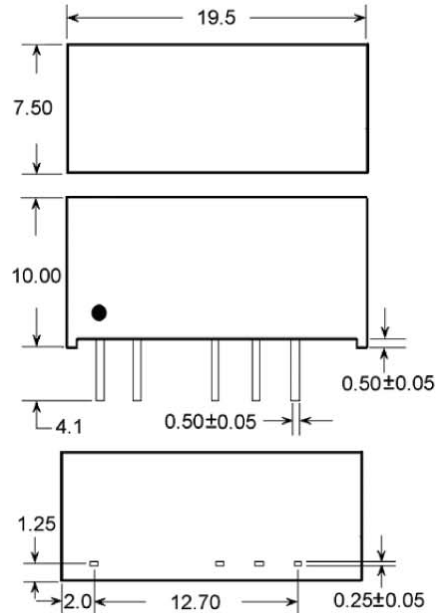
### MARKING AND DIMENSION

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

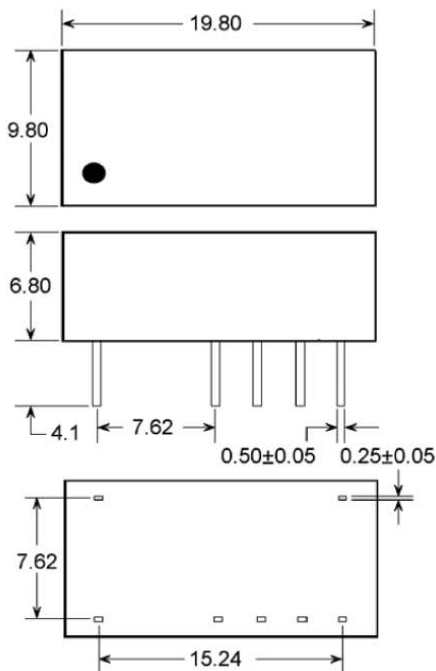
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