



# IA SERIES

1000VDC REGULATED SINGLE OUTPUT  
2WATT DC-DC CONVERTER

## FEATURES

- 10 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 : 100M $\Omega$  MIN @500VDC
- SWITHINGFREQUENCY : 80KHz TYP.
- OPERATING TEMPERATURE : 0 °C TO 70°C
- EFFICIENCY(5V) : 60% TYP,50%MIN
- EFFICIENCY(9V,12V,15V) : 70 % TYP,55%MIN
- ISOLATION VOLTAGE : 1000 VDC

## ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE :  $\pm 5\%$
- OUTPUT VOLTAGE TOLERANCE :  $\pm 3\%$
- 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

### 24V and 48V input types

PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE
IAXX05S-2W	5	200	60	1	IAXX05S-2W	5	200	60	1
IAXX09S-2W	9	111	65	1	IAXX09S-2W	9	111	65	1
IAXX12S-2W	12	83	70	1	IAXX12S-2W	12	83	70	1
IAXX15S-2W	15	67	72	1	IAXX15S-2W	15	67	72	1
IAXX05S-2W	5	200	60	1	IAXX05S-2W	5	200	60	1
IAXX09S-2W	9	111	65	1	IAXX09S-2W	9	111	65	1
IAXX12S-2W	12	83	70	1	IAXX12S-2W	12	83	70	1
IAXX15S-2W	15	67	72	1	IAXX15S-2W	15	67	72	1

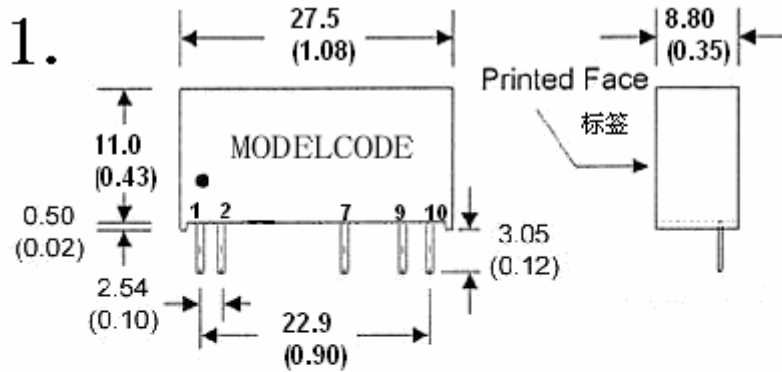


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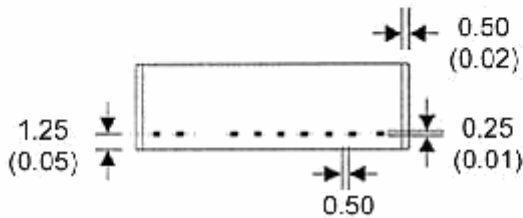
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## MARKINGS AND DIMENSIONS

## PIN CONNECTION



PIN	10 PIN
1	+INPUT
2	-INPUT
7	+OUTPUT
9	-OUTPUT
10	0V



Dimensions: inches/mm  
Unless otherwise specified,  
all tolerances are  
 $\pm 0.005/\pm 0.13$