



# IE SERIES

## 3000VDC REGULATED SINGLE OUTPUT 1WATT DC-DC CONVERTER

### FEATURES

- 10 PIN SIP PACKAGE.
- 3000VDC ISOLATION.
- OUTPUT REGULATION < 1.5%.
- UL 94V-0 PACKAGE MATERIEL.

### GENERAL SPECIFICATIONS

- OUTPUT RIPPLE (20MHz Band limited) : 60mVp-p MAX
- ISOLATION RESISTANCE :100M $\Omega$  MIN @500VDC
- SWITHINGFREQUENCY :80KHz TYP.
- OPERATING TEMPERATURE :0  $^{\circ}$ C TO 70 $^{\circ}$ C
- EFFICIENCY(5V) :60% TYP,50%MIN
- EFFICIENCY(9V,12V,15V) :70 % TYP,55%MIN
- ISOLATION VOLTAGE :3000 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
IEXX05S-1W	5	200	60	1	IEXX05S-1W	5	200	60	1
IEXX09S-1W	9	111	65	1	IEXX09S-1W	9	111	65	1
IEXX12S-1W	12	83	70	1	IEXX12S-1W	12	83	70	1
IEXX15S-1W	15	67	72	1	IEXX15S-1W	15	67	72	1
IEXX05S-1W	5	200	60	1	IEXX05S-1W	5	200	60	1
IEXX09S-1W	9	111	65	1	IEXX09S-1W	9	111	65	1
IEXX12S-1W	12	83	70	1	IEXX12S-1W	12	83	70	1
IEXX15S-1W	15	67	72	1	IEXX15S-1W	15	67	72	1

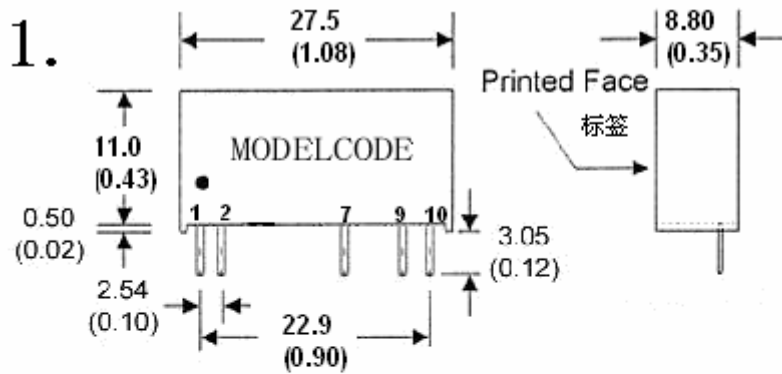


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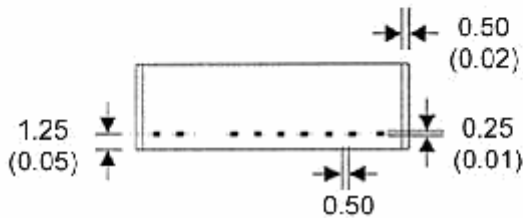
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1WATT DC-DC CONVERTER

## 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  
 $\pm 0.005/\pm 0.13$