



IE SERIES

3000VDC REGULATED SINGLE OUTPUT 2WATT 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 Ω 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 :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-2W | 5 | 200 | 60 | 1 | IEXX05S-2W | 5 | 200 | 60 | 1 |
| IEXX09S-2W | 9 | 111 | 65 | 1 | IEXX09S-2W | 9 | 111 | 65 | 1 |
| IEXX12S-2W | 12 | 83 | 70 | 1 | IEXX12S-2W | 12 | 83 | 70 | 1 |
| IEXX15S-2W | 15 | 67 | 72 | 1 | IEXX15S-2W | 15 | 67 | 72 | 1 |
| IEXX05S-2W | 5 | 200 | 60 | 1 | IEXX05S-2W | 5 | 200 | 60 | 1 |
| IEXX09S-2W | 9 | 111 | 65 | 1 | IEXX09S-2W | 9 | 111 | 65 | 1 |
| IEXX12S-2W | 12 | 83 | 70 | 1 | IEXX12S-2W | 12 | 83 | 70 | 1 |
| IEXX15S-2W | 15 | 67 | 72 | 1 | IEXX15S-2W | 15 | 67 | 72 | 1 |

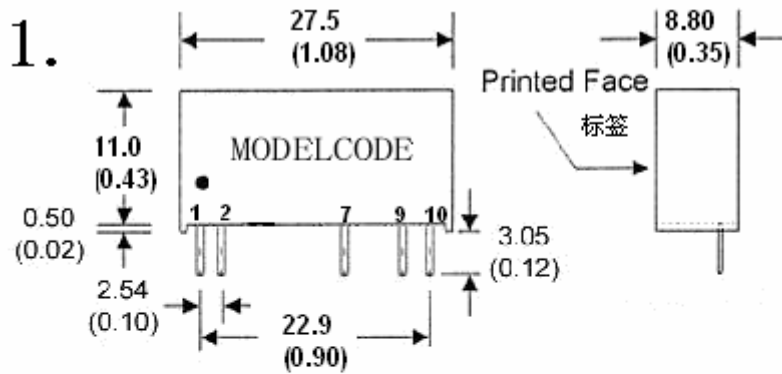


IE SERIES

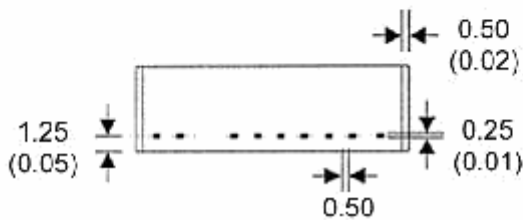
3000VDC REGULATED SINGLE OUTPUT
2WATT DC-DC CONVERTER

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
 $\pm 0.005/\pm 0.13$