



# IB SERIES

## 1000VDC REGULATED SINGLE OUTPUT 2WATT 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 : 100M $\Omega$  MIN @500VDC
- SWITCHING FREQUENCY : 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 : 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  $V_{in}$
- LOAD REGULATION(10% TO 100% F.L.) : 0.9% TYP. 1.5% MAX

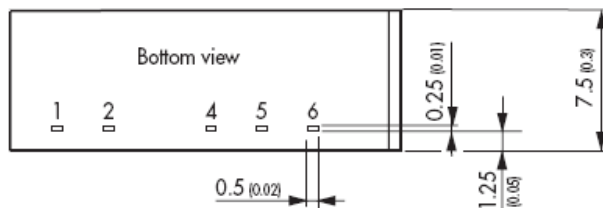
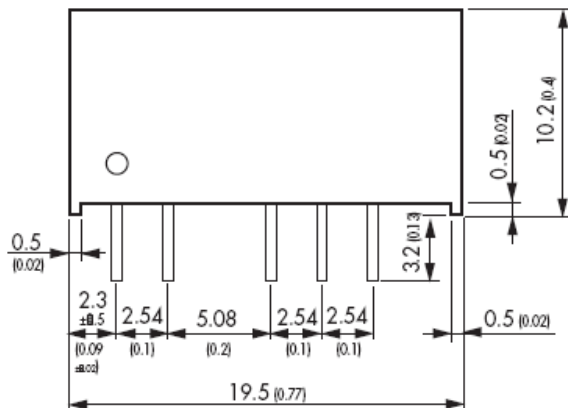
#### 5V and 12V , 15 , 24 input types

#### 48V input types

PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)
IBXX05S-2W	5	400	65	IBXX05S-2W	5	400	65
IBXX09S-2W	9	222	73	IBXX09S-2W	9	222	73
IBXX12S-2W	12	168	75	IBXX12S-2W	12	168	75
IBXX15S-2W	15	134	75	IBXX15S-2W	15	134	75
IBXX24S-2W	24	84	76	IBXX24S-2W	24	84	76

### MARKINGS AND DIMENSIONS

### PIN CONNECTION



PIN	7 PIN
1	+INPUT
2	-INPUT
4	-OUTPUT
5	NP
6	+VOUTPUT

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