



# A / B SERIES

# 1000 VDC SINGLE AND DUAL OUTPUT 1 WATT DC-DC CONVERTER

## FEATURES

- 7 PIN SIP PACKAGE.
- 1000VDC ISOLATION.
- UNREGULATED OUTPUT TYPES.
- UL 94V-0 PACKAGE MATERIAL.

## GENERAL SPECIFICATIONS

- OUTPUT RIPPLE(20MHz Band limited)  
INPUT 3.3V AND 48V TYP. : 150mVp-p MAX  
INPUT 5V,12V AND 24V TYP. : 100mVp-p MAX
- ISOLATION RESISTANCE :1000M $\Omega$  MIN @500VDC
- SWITCHING FREQUENCY :100KHz TYP.
- OPERATING TEMPERATURE :0  $^{\circ}$ C TO 70 $^{\circ}$ C
- EFFICIENCY :75% TYP
- ISOLATION VOLTAGE :1000 VDC

## ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE : $\pm$ 10%
- OUTPUT VOLTAGE TOLERANCE : $\pm$ 5%
- LINE REGULATION(10% TO 100% F.L.) :1.2%/1% OF  $V_{in}$
- LOAD REGULATION(10% TO 100% F.L.)  
3.3V AND 5V OUTPUT TYPES :15% MAX  
9V,12V AND 15V OUTPUT TYPES :10% MAX

### 3.3V,5V,12V,24V INPUT TYPES

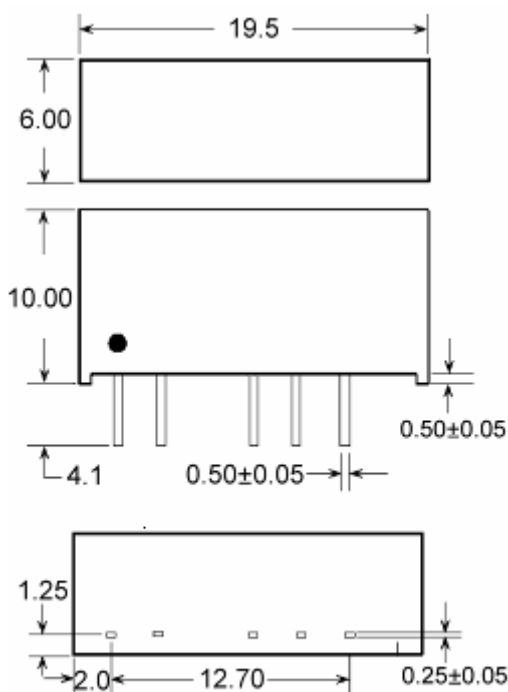
PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE
BXX05LS-1W	5	200	70	1
BXX09LS-1W	9	112	75	1
BXX12LS-1W	12	84	75	1
BXX15LS-1W	15	67	75	1
AXX05S-1W	$\pm$ 5	$\pm$ 100	70	1
AXX09S-1W	$\pm$ 9	$\pm$ 56	75	1
AXX12S-1W	$\pm$ 12	$\pm$ 42	75	1
AXX15S-1W	$\pm$ 15	$\pm$ 34	75	1

### 48V INPUT TYPES

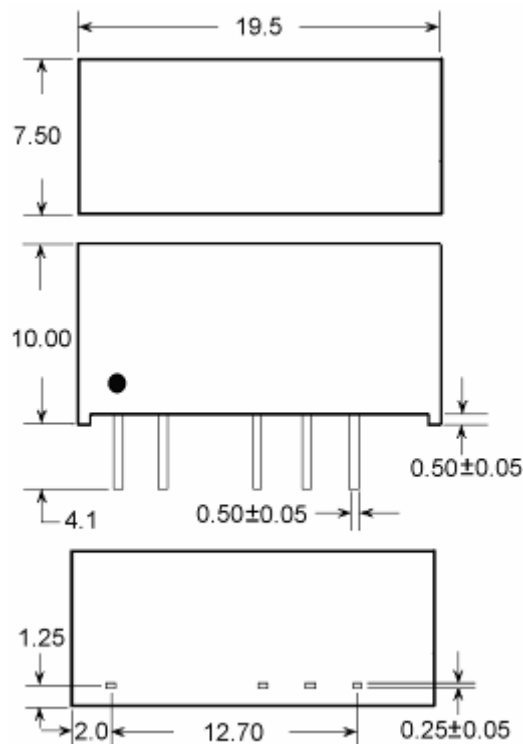
PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE
B4805LS-1W	5	200	70	2
B4809LS-1W	9	112	75	2
B4812LS-1W	12	84	75	2
B4815LS-1W	15	67	75	2
A4805S-1W	$\pm$ 5	$\pm$ 100	70	2
A4809S-1W	$\pm$ 9	$\pm$ 56	75	2
A4812S-1W	$\pm$ 12	$\pm$ 42	75	2
A4815S-1W	$\pm$ 15	$\pm$ 34	75	2

## MARKINGS AND DIMENSIONS

1.



2.



## PIN CONNECTION

PIN	SINGLE		DUAL
	B	B	A
1	+IN	+IN	+INPUT
2	-IN	-IN	-INPUT
4	NC	-OUT	-OUTPUT
5	-OUT	NC	COMMON
6	+OUT	+OUT	+OUTPUT

\*NC PIN NOT PRESENTED ON  
SINGLE OUTPUT MODELS

Dimensions:inches/mm

Unless otherwise specified, all tolerances are  $\pm$ .005/ $\pm$ 0.13