



B SERIES

1000VDC SINGLE OUTPUT 1 WATT DC-DC CONVERTER

FEATURES

- 4 PIN SIP AND 8 PIN DIL PACKAGE.
- 1000VDC ISOLATION.
- UNREGULATED OUTPUT TYPES.
- UL 94V-0 PACKAGE MATERIAL.

GENERAL SPECIFICATIONS

- OUTPUT RIPPLE (20MHz Band limited) : 150mVp-p MAX
- ISOLATION RESISTANCE :1000M Ω MIN @500VDC
- SWITCHING FREQUENCY :100KHz TYP.
- OPERATING TEMPERATURE :0 $^{\circ}$ C TO 70 $^{\circ}$ C
- ISOLATION VOLTAGE :1000 VDC

ELECTRICAL SPECIFICATIONS

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

3.3v,5V,12V,24V,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
B0305S-W5	5	100	70	1	B0305S-W5	5	100	70	3
B0309S-W5	9	56	75	1	B0309S-W5	9	56	75	3
B0312S-W5	12	42	75	1	B0312S-W5	12	42	75	3
B0315S-W5	15	34	75	1	B0315S-W5	15	34	75	3
B0503S-W5	3.3	154	70	1	B0503S-W5	3.3	154	75	3
BXX05S-1W	5	200	70	1	BXX05S-1W	5	200	70	3
BXX09S-1W	9	110	75	1	BXX09S-1W	9	110	75	3
BXX12S-1W	12	84	75	1	BXX12S-1W	12	84	75	3
BXX15S-1W	15	67	75	1	BXX15S-1W	15	67	75	3
B4805S-1W	5	200	70	2	B4805S-1W	5	200	70	3
B4809S-1W	9	110	75	2	B4809S-1W	9	110	75	3
B4812S-1W	12	84	75	2	B4812S-1W	12	84	75	3
B4815S-1W	15	67	75	2	B4815S-1W	15	67	75	3

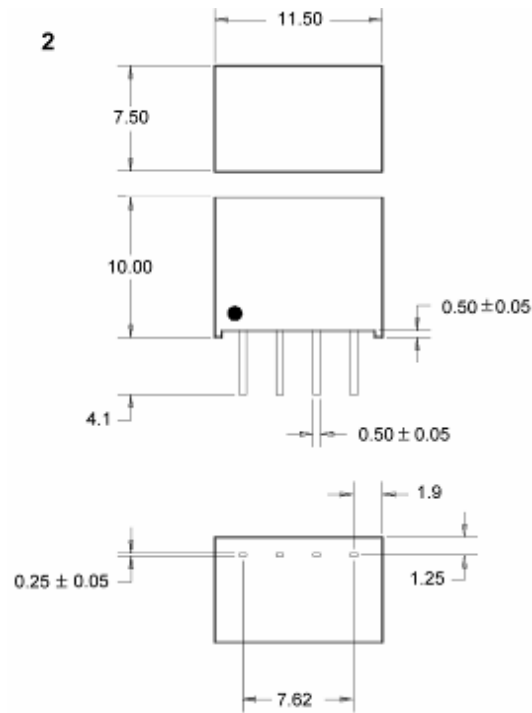
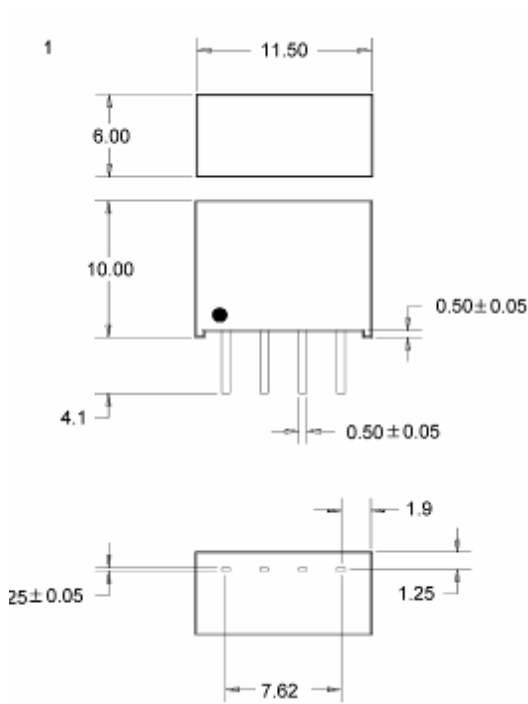


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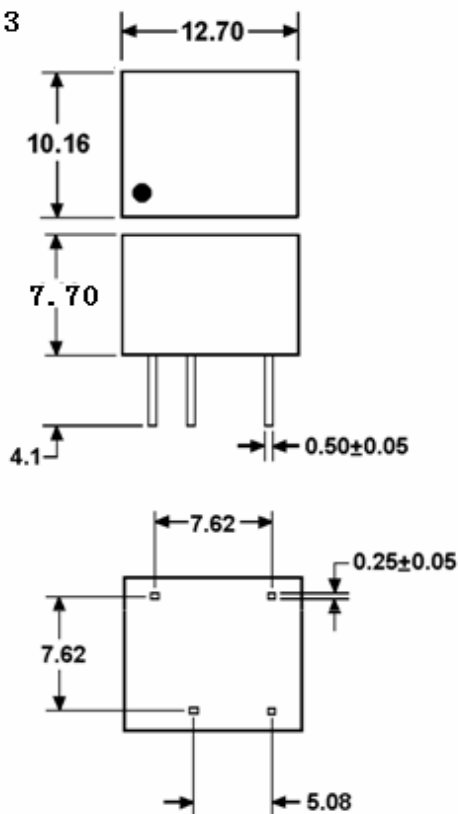
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MARKINGS AND DIMENSIONS

PIN CONNECTION



PIN	4 PIN
1	-INPUT
2	+INPUT
3	-OUTPUT
4	+OUTPUT



PIN	8 PIN
1	-INPUT
4	+INPUT
5	+OUTPUT
7	-OUTPUT

Dimensions: inches/mm
Unless otherwise specified,
all tolerances are ±.005/±0.13