



B-LS-W25 SERIES

1000VDC SINGLE OUTPUT 250mWATT DC-DC CONVERTER

FEATURES

- 7 PIN SIP AND 14 PIN DIL PACKAGE.
- 1000VDC ISOLATION.
- UNREGULATED OUTPUT TYPES.
- UL 94V-0 PACKAGE MATERIAL.

GENERAL SPECIFICATIONS

- OUTPUT RIPPLE(20MHz Band limited)
INPUT 3.3V TYP. : 100mVp-p MAX
INPUT 5V AND 12V TYP. : 100mVp-p MAX
- ISOLATION RESISTANCE :100MΩ MIN @500VDC
- SWITCHING FREQUENCY :100KHz TYP.
- OPERATING TEMPERATURE :0 °C TO 70°C
- EFFICIENCY :70% TYP
- ISOLATION VOLTAGE :1000 VDC

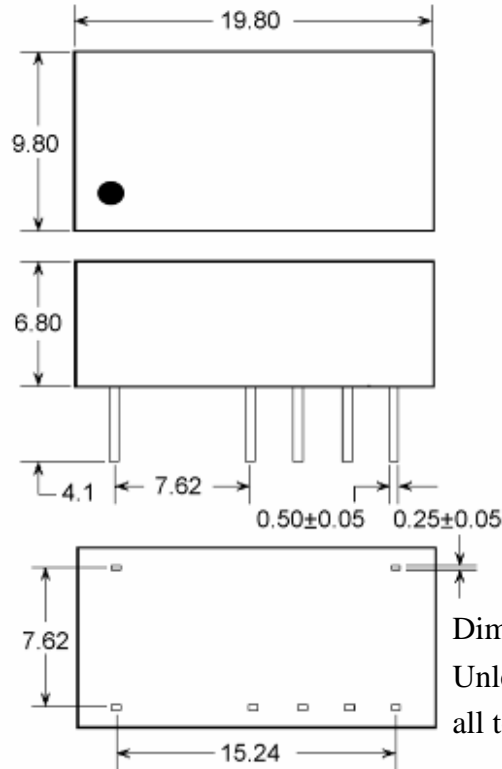
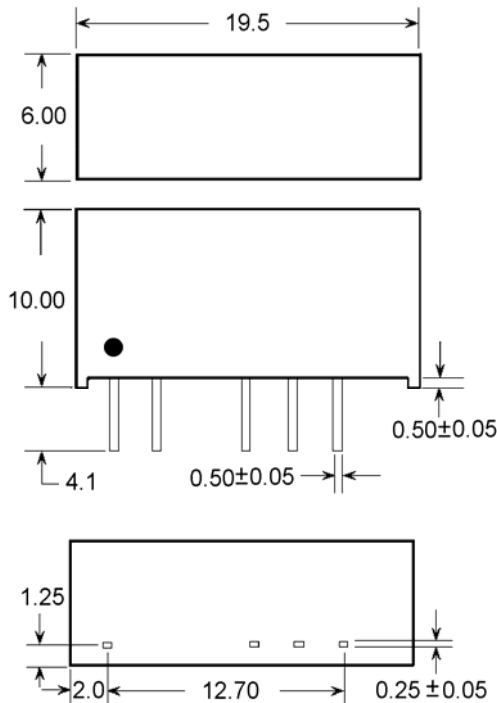
ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE :±5%
- OUTPUT VOLTAGE TOLERANCE :±5%
- LINE REGULATION(10% TO 100% F.L.) :1.2%/1% OF Vin
- 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 and 12v 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
BXX03LS-W25	3.3	76	65	1	BXX03LD-W25	3.3	76	65	2
BXX05LS-W25	5	50	65	1	BXX05LD-W25	5	50	65	2
BXX09LS-W25	9	28	70	1	BXX09LD-W25	9	28	70	2
BXX12LS-W25	12	21	70	1	BXX12LD-W25	12	21	70	2
BXX15LS-W25	15	16	70	1	BXX15LD-W25	15	16	70	2

MARKINGS AND DIMENSIONS



PIN CONNECTION

PIN	7 PIN
1	+INPUT
2	-INPUT
4	-OUTPUT
5	NC
6	+VOUTPUT
PIN	14 PIN
1	-INPUT
9	+OUTPUT
10	NC
11	-OUTPUT
14	+INPUT

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