



# F-D SERIES

## 3KVDC SINGLE AND DUAL OUTPUT 1 WALL 14PIN DIL DC-DC CONVERTER

### FEATURES

- 14 PIN DIL PACKAGE.
- 3000VDC ISOLATION.
- UNREGULATED TYPES.
- UL 94V-0 PACKAGE MATERIAL.

### GENERAL SPECIFICATIONS

- INPUT REFLECTED NOISE(20MHz B.W.): 100mVp-p MAX
- OUTPUT RIPPLE(20MHz B.W.) : 150mVp-p MAX
- ISOLATION RESISTANCE :1000M $\Omega$  MIN @500VDC
- SWITCHING FREQUENCY :100KHz TYP.
- OPERATING TEMPERATURE :0  $^{\circ}$ C TO 70 $^{\circ}$ C
- EFFICIENCY :70% TYP
- SHORT CIRCUIT PROTECTION :1 SEC

### ELECTRICAL SPECIFICATIONS

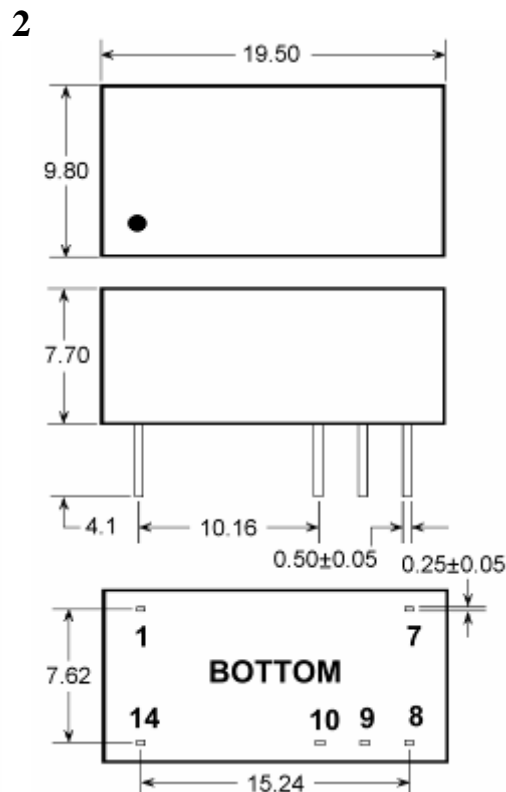
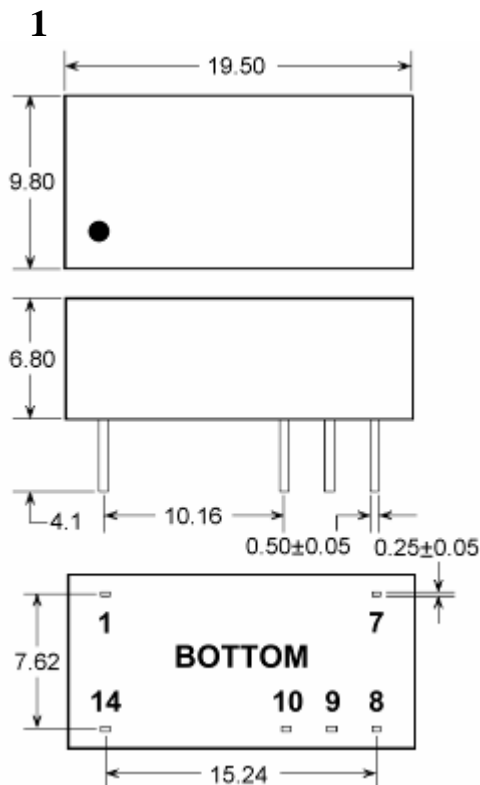
- INPUT VOLTAGE RANGE : $\pm$ 10%
- OUTPUT VOLTAGE TOLERANCE : $\pm$ 5%
- LINE REGULATION(10% TO 100% F.L.) :1.2%/1% OF  $V_{in}$
- LOAD REGULATION(10% TO 100% F.L.)
- 5V OUTPUT TYPES :15% MAX
- 9V,12V AND 15V OUTPUT TYPES :10% MAX

#### 5V,12V AND 24V 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
FXX05D-1W	5	200	70	1	F4805D-1W	5	200	70	2
FXX09D-1W	9	112	75	1	F4809D-1W	9	112	75	2
FXX12D-1W	12	84	75	1	F4812D-1W	12	84	75	2
FXX15D-1W	15	67	75	1	F4815D-1W	15	67	75	2

#### 48V INPUT TYPES

### MARKINGS AND DIMENSIONS



### PIN CONNECTION

PIN	SINGLE
1	-INPUT
7	NC
8	+OUTPUT
9	NO PIN
10	-OUTPUT
14	+INPUT

Dimensions: inches/mm

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