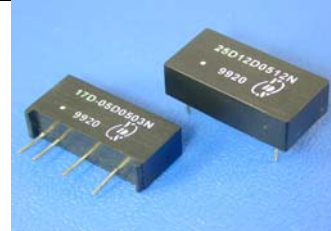


# TSS 17D/25D SERIES

# 1000VDC TWIN OUTPUT 1 WATT 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 RIPPPL(20MHz Band limited) : 100mVp-p MAX
- ISOLATION RESISTANCE : 1000MΩ MIN @500VDC
- SWITCHING FREQUENCY : 100KHz TYP.
- OPERATING TEMPERATURE : 0 °C TO 70°C
- EFFICIENCY(3.3V AND 5V) : 70% TYP, 65% MIN
- EFFICIENCY(9V, 12V AND 15V) : 80% TYP, 70% MIN

## 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.) : 15% MAX  
3.3V AND 5V OUTPUT TYPES : 10% MAX  
9V, 12V AND 15V OUTPUT TYPES : 10% MAX

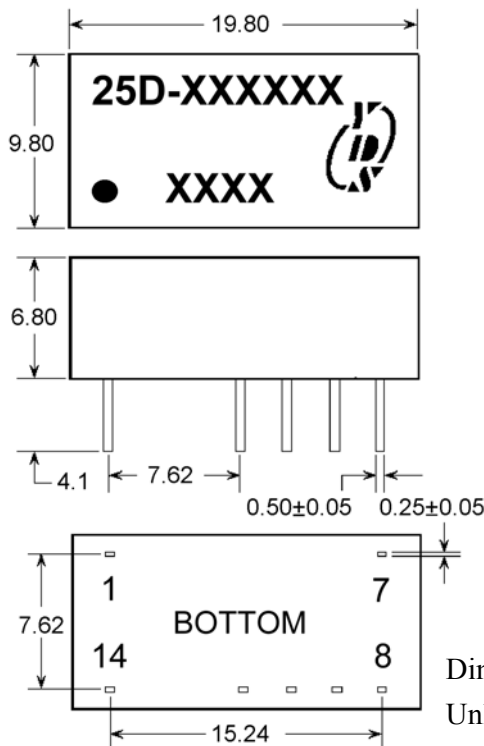
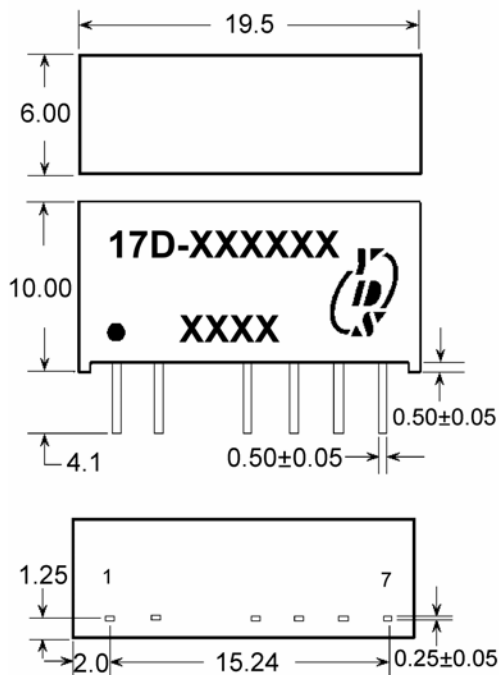
### 5v, 12v input types

PART NUMBER	OUTPUT1		OUTPUT2		EFFICIENCY (% TYP.)
	VOLTAGE (VDC)	CURRENT (mA)	VOLTAGE (VDC)	CURRENT (mA)	
17D-05D0503N	5	100	3.3	152	70
17D-XXD0505N	5	100	5	100	75
17D-XXD0509N	5	100	9	56	75
17D-XXD0512N	5	100	12	42	75
17D-XXD0515N	5	100	15	34	75

### 5v, 12v input types

PART NUMBER	OUTPUT1		OUTPUT2		EFFICIENCY (% TYP.)
	VOLTAGE (VDC)	CURRENT (mA)	VOLTAGE (VDC)	CURRENT (mA)	
25D-05D0503N	5	100	3.3	152	70
25D-XXD0505N	5	100	5	100	75
25D-XXD0509N	5	100	9	56	75
25D-XXD0512N	5	100	12	42	75
25D-XXD0515N	5	100	15	34	75

## MARKINGS AND DIMENSIONS



## PIN CONNECTION

PIN	7 PIN
1	+INPUT
2	-INPUT
4	+OUTPUT1
5	-OUTPUT1
6	+OUTPUT2
7	-OUTPUT2
PIN	14PIN
1	-INPUT
7	NC
8	-OUTPUT2
9	+OUTPUT2
10	-OUTPUT1
11	+OUTPUT1
14	+INPUT

Dimensions: inches/mm  
Unless otherwise specified,

all tolerances are ±.005/±0.13