

# TSS 82D SERIES 6 WATTS REGULATED DC-DC CONVERTER

## FEATURES

- UP TO 6 WATTS OUTPUT POWER
- 2"x2"x0.4 INCHES PACKAGE
- PI INPUT FILT
- LOW RIPPLE AND NOISE
- REGULATED OUTPUT TYPES



## GENERAL SPECIFICATIONS

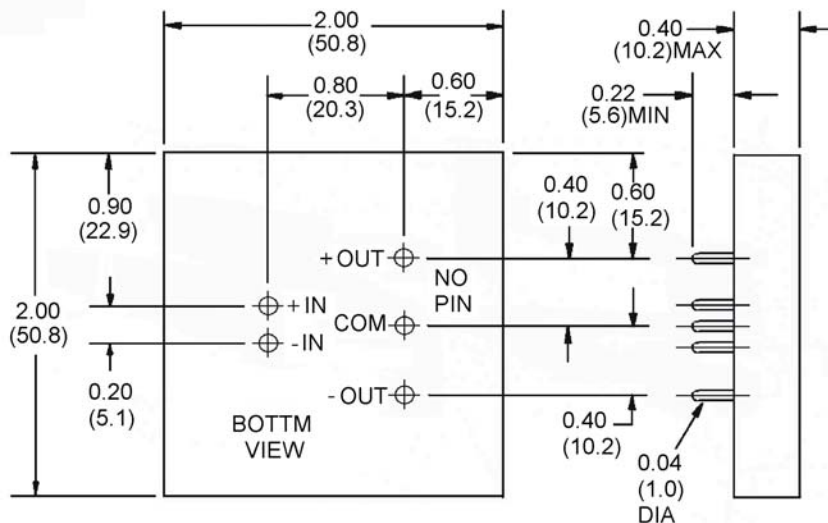
- ISOLATION RESISTANCE : 500VDC MIN.
- ISOLATION RESISTANCE : 100mΩ MIN@500VDC
- SWITCHING FREQUENCY : 50KHz TYP.
- OPERATING TEMPERATURE RANGE :-25°C TO 85°C
- STORAGE TEMPERATURE RANGE :-40°C TO +100°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- CASE MATERIAL : BLACK COATED COPPER WITH NON-CONDUCTIVE BASE

## ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE :±10%
- OUTPUT VOLTAGE ACCURACY :±5%
- LINE REGULATION :±0.3%
- LOAD REGULATION :±0.5%
- OUTPUT RIPPLE AND NOISE : 50mVp-p(20MHz B.W.)
- EFFICIENCY : 60%

| PART NO.   | INPUT VOLTAGE | OUTPUT VOLTAGE | OUTPUT CURRENT | EFFICIENCY (%) |
|------------|---------------|----------------|----------------|----------------|
| 82D-05S05R | 5VDC          | 5VDC           | 1200mA         | 60             |
| 82D-05S12R | 5VDC          | 12VDC          | 500mA          | 65             |
| 82D-05D15R | 5VDC          | ±15VDC         | ±200mA         | 65             |
| 82D-12S12R | 12VDC         | 12VDC          | 500mA          | 65             |
| 82D-12S15R | 12VDC         | 15VDC          | 400mA          | 65             |
| 82D-12D12R | 12VDC         | ±12VDC         | ±250mA         | 65             |
| 82D-24S05R | 24VDC         | 5VDC           | 1200mA         | 60             |
| 82D-24S15R | 24VDC         | 15VDC          | 500mA          | 65             |
| 82D-24D12R | 24VDC         | ±12VDC         | ±250mA         | 65             |
| 82D-48D15R | 48VDC         | 15VDC          | 400mA          | 65             |
| 82D-48D12R | 48VDC         | ±12VDC         | ±250mA         | 65             |
| 82D-48D15R | 48VDC         | ±15VDC         | ±200mA         | 65             |

## MARKINGS AND DIMENSIONS



## PIN CONNECTION

| PIN | SINGLE OUTPUT |
|-----|---------------|
| 1   | +INPUT        |
| 2   | -INPUT        |
| 3   | +OUTPUT       |
| 4   | NC            |
| 5   | -OUTPUT       |

| PIN | DUAL OUTPUT |
|-----|-------------|
| 1   | +INPUT      |
| 2   | -INPUT      |
| 3   | +OUTPUT     |
| 4   | COMMON      |
| 5   | -OUTPUT     |