

TSS 85D SERIES 5 WATTS REGULATED DC-DC CONVERTER

FEATURES

- UP TO 5 WATTS OUTPUT POWER
- 2"x2"x0.4 INCHES PACKAGE
- PI INPUT FILT
- LOW RIPPLE AND NOISE
- REGULATED OUTPUT TYPES



GENERAL SPECIFICATIONS

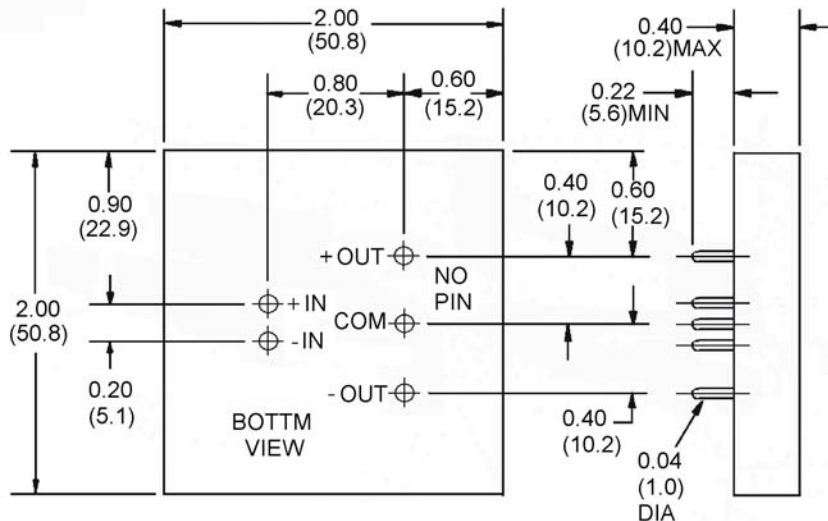
- ISOLATION RESISTANCE : 500VDC MIN.
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- SWITCHING FREQUENCY : 20KHz TYP.
- OPERATING TEMPERATURE RANGE : 0°C TO 70°C
- STORAGE TEMPERATURE RANGE : -40°C TO +100°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- CASE MATERIAL : BLACK COATED COPPER WITH NON-CONDUCTIVE 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 (%)
85D-05S05R	5VDC	5VDC	1000mA	60
85D-05S12R	5VDC	12VDC	470mA	65
85D-05D15R	5VDC	±15VDC	±190mA	65
85D-12S12R	12VDC	12VDC	470mA	65
85D-12S15R	12VDC	15VDC	400mA	65
85D-12D12R	12VDC	±12VDC	±230mA	65
85D-24S05R	24VDC	5VDC	1000mA	60
85D-24S15R	24VDC	15VDC	400mA	65
85D-24D12R	24VDC	±12VDC	±230mA	65
85D-48D15R	48VDC	15VDC	400mA	65
85D-48D12R	48VDC	±12VDC	±230mA	65
85D-48D15R	48VDC	±15VDC	±190mA	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