



Frontier Electronics Corp.

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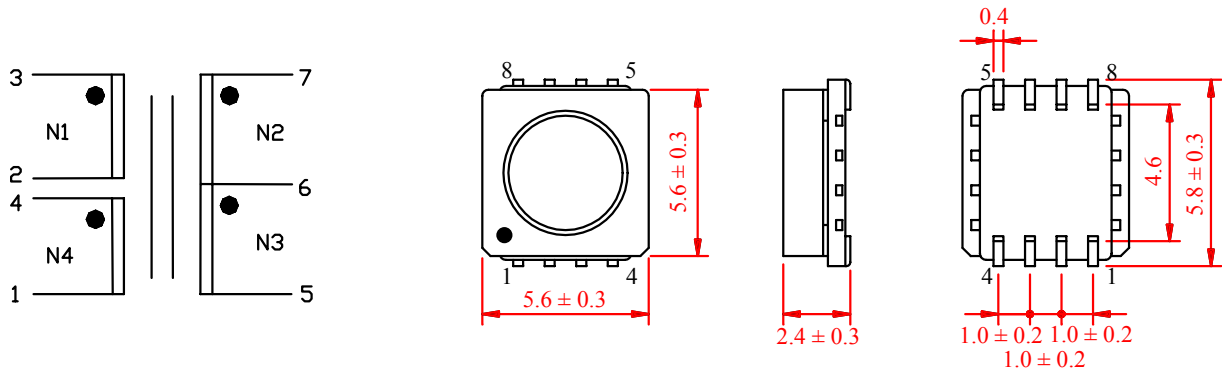
Web: frontierusa.com

CCFL Inverter Transformer—TSS0525F-01

A. CHARACTERISTICS:

| Part No. | Input Voltage | Operation Frequency | Max. Output Wattage | Output Voltage | |
|-------------|---------------|---------------------|---------------------|----------------|----------|
| | | | | V out 1 | V out 2 |
| TSS0525F-01 | 1.8V~3.3V | 100KHz~800KHz | 0.5 W | +15 VDC | -7.5 VDC |

B. Schematics and Mechanical dimensions: (Unit: mm)



C. Electrical Data:

| Model No. | INDUCTANCE | TURNS RATIO | | | |
|--------------|-------------|-------------|------|------|----|
| | | N1 | N2 | N3 | N4 |
| TSS00525F-01 | 190uH ± 25% | 1 | 3.32 | 1.68 | 1 |

D. Insulation:

| Term | Item | Spec. | Condition |
|-----------|--------------|--------------------|----------------------|
| Hi-Pot | Coil to Coil | 500 VAC / 1 Minute | @Cut off current=3mA |
| Hi-Pot | Coil to Core | 500 VAC / 1 Minute | |
| Isolation | Coil to Coil | 100 MOHM Min. | @ 100 VDC |

E. Features:

- Low profile height: Maximum 2.70 mm.
- Drum / Ring type: Ferrite core (Ni – Zn).
- High efficiency.
- Surface mount.
- Suitable for standard IR re-flows soldering.

F. Uses:

- Digital Camera.

Note: **RoHS** compliant; for the **ROHS** parts, we add “-LFR” at the end of the P/N.