



T&C Power Conversion, Inc.

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SUT02LF, STEP-UP (STEP-DOWN) TRANSFORMERS

Most RF Power Sources are designed and optimized to best deliver power into an impedance of 50 Ohms. In a power delivering system where the source and load impedance differs by more than 2:1 a matching element can improve efficiency.

T&C offers a range of LF Band matching transformers for high (and low) impedance load applications.

The table below presents some standard impedance ratios offers by T&C.

CASE OPTIONS:

1. W 4" x L 4" x H 3", deep drawn enclosure, ZERO Corp., #Z64-64A.
2. Custom sizes and configurations on request.
3. Connectors:
 - BNC Input, BNC Output for 1 : 4 and 1 : 9
 - Output HV Connector for > 1 : 9

SPECIFICATIONS

Output Impedance's available. ($Z_{in} = 50$ Ohms) Frequency Range 50 kHz to 1MHz

Z out	Impedance ratio	Continues P IN (Without cooling)	Max P IN	Peak Voltage
200 ohms	1 : 4	100 W	300 W	~ 560 V p-p @ 200 W
450 ohms	1 : 9	100 W	300 W	~ 840 V p-p @ 200 W
800 ohms	1 : 16	100 W	300 W	~ 1120 V p-p @ 200 W
1250 ohms	1 : 25	100 W	300 W	~ 1400 V p-p @ 200 W

Top view of SUT 02 LF-4 →



We offer various electronic products and engineering services: RF Linear Amplifiers, RF Power Drivers, AC to DC Power Supplies, Microprocessor Based Controllers, Analog Instruments . . .
Contact T&C sales office for your custom configurations, quantity prices and delivery schedule.