



# T&C Power Conversion, Inc.

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## SUT01LF-5B, STEP-UP (STEP-DOWN) TRANSFORMER FOR IMPEDANCE MATCHING

Most of 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 Outputs

### SPECIFICATIONS

Output Impedance's available. ( $Z_{in} = 50$  Ohms) Frequency Range 0.2 MHz to 3MHz minimum. Peak performance from 0.4 to 2 MHz. Low power operation possible up to 4 MHz or down to 0.1 MHz (50W max)

Z out	Impedance ratio	Continues P IN (Without cooling)	Max P IN	Peak Voltage
200 ohms	1 : 4	100 W	200 W	~ 400 V p-p @ 100 W
~310 ohms	~1 : 6	100 W	200 W	~ 500 V p-p @ 100 W
450 ohms	1 : 9	100 W	200 W	~ 600 V p-p @ 100 W
~610 ohms	~ 1 : 12	100 W	200 W	~ 700 V p-p @ 100 W
800 ohms	1 : 16	100 W	200 W	~ 800 V p-p @ 100 W

Contact T&C sales office for your custom configurations, quantity prices and delivery schedule.

We offer various electronic products and engineering services: RF Linear Amplifiers, RF Power Drivers, AC to DC Power Supplies, Microprocessor Based Controllers, Analog Instruments . . .

**IF YOU CAN'T FIND IT, WE WILL DESIGN IT!**