



# T&C Power Conversion, Inc.

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## SUT 1k 02, STEP-UP (STEP-DOWN) TRANSFORMERS

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 8.3" x L 14" x H 3.5" (211mm x 356mm x 89mm). B style gray box from Lansing Instruments, 1 side vented.
2. Custom sizes and configurations on request.
3. Connectors: "N" type Input, Output custom made

### SPECIFICATIONS

Output Impedance's available. ( $Z_{in} = 50$  Ohms) Frequency Range 0.2 MHz to 1MHz minimum

Z IN	Z OUT	Impedance ratio	Continues P IN (Without cooling)	Max P IN	Peak Voltage
50 ohms	200 Ohms	1 : 4	1000 W	-	~ 1260 V p-p @ 1000 W
50 ohms	450 Ohms	1 : 9	1000 W	-	~ 1900 V p-p @ 1000 W
50 ohms	800 Ohms	1:16 see note!		-	
50 ohms	1250 Ohms	1:25 see note!		-	

**NOTE!** 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!**