



TL501006

Custom Balun Transformer

Description:

The TL501006 is a broadband feed to an antenna element dipole used in an array and is suitable for the UHF band. A 50 ohm unbalanced transmission line is translated into the 100 ohm balanced line that the antenna feed requires. Other impedance ratios are available from 50 ohms balanced to 50 ohms unbalanced through 200 ohms balanced to 50 ohms unbalanced. Ferrite & Microstrip Construction.

Features:

- Multi-Octave Bandwidth
- Custom Amplitude and Phase Tapers
- Rapid Custom Design



Electrical Properties:

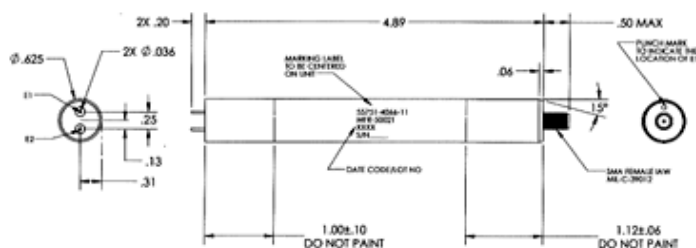
Freq Range	Insertion Loss (dB Max.)	VSWR In (Max.)	Amp Bal (dB Max.)	Phase Bal (Deg. Max.)	Input Power (Watts Max.)
200 - 500 MHz	1.5	1.3:1	0.2	1	2

Modifications and custom design requests are available through our quoting process. [Modify this part or Request a Quote.](#)

Mechanical Specs:

Finish: Blue epoxy paint.

- SMA input port carrying a 50 ohm unbalanced input signal.
- 1:2 transformer configuration, transforms the impedance to a 100 ohm balanced output.
- The output signal is available through pins mounted on the end of the unit.
- All materials used in construction are in compliance with Mil standards.
- Soldering in accordance with the J-STD-001.



TRM Microwave's quality management system has been certified by Intertek Testing Services NA Inc. to the ISO 9001:2008 standard and complies with legacy military standards MIL-I-45208A and MIL-Q-9858. [View our certificate](#)