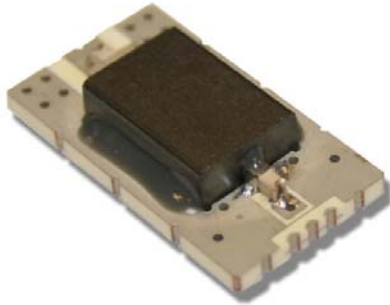


Xinger®

High Power Transformer 50Ω to 12.5Ω



Description

The XMT0310B5012 is a broadband high power, high performance balanced to balanced transformer designed for single ended amplifiers in a easy to use surface mount package. These compact Xinger® surface mount transformers are ideal for high volume manufacturing and are more reliable and repeatable than wire-wound or traditional transformers. The XMT0310B5012 has an input port impedance of 50Ω and an output port impedance of 12.5Ω. This eases the matching to the amplifier's power transistors, which have a low impedance. This new ferrite Xinger transformer is a result of years of research and development culminating with a solution so unique, a patent is pending of this design.

Features:

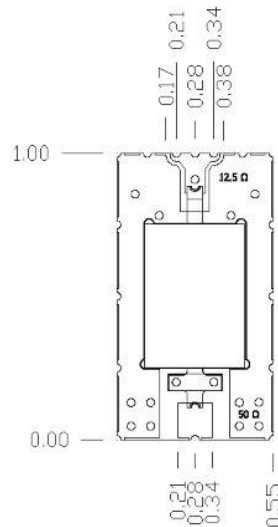
- 30-1000 MHz
- 50 Ohm to 12.5 Ohm
- Broadband
- Defense Applications
- High Power
- Very Low Loss
- 100% RF Tested
- Production Friendly
- Tape and Reel

Electrical Specifications ***

Frequency	Input Port Impedance	Output Port Impedance*	Return Loss	Insertion Loss
<i>MHz</i>	<i>Ohms</i>	<i>Ohms</i>	<i>dB min</i>	<i>dB Max</i>
100-900	50	12.5	18	0.4
30-1000	50	12.5	15	0.6
Power Handling	Operating Temp.			
<i>Watt</i>	<i>°C</i>			
200	-55 to +95			

***Specification based on performance of unit properly installed on Anaren Test Board with small signal applied. Specifications subject to change without notice

Outline Drawing



Mounting Footprint

