

1:1 RF transformer Frequency: 0.3-500MHZ.

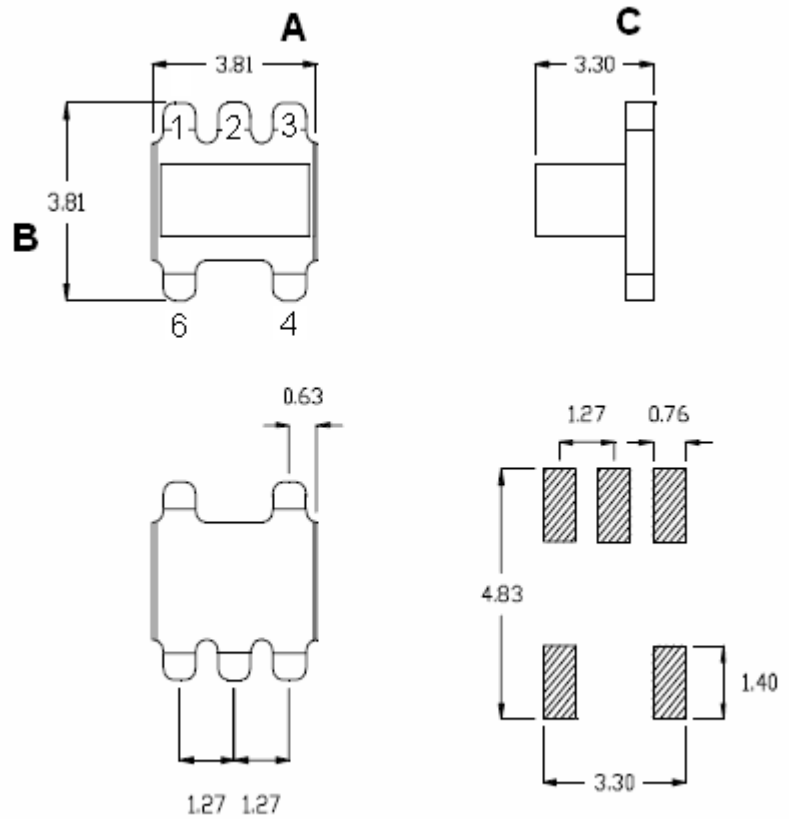
Feature:

- .1 : 1 impedance transformer.
- .SMT part.
- .Packaging 2000pcs per reel.
- .used in 50ohm systems.
- Weld connected.

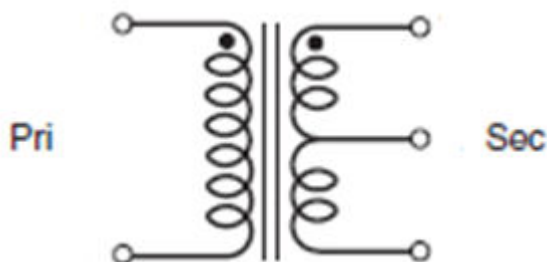
ROHS COMPLIANT



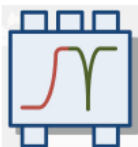
Base dimension



Dimensions in mm.



SCHEMATIC

**JRTC1-1T+ 0.3-500MHZ 1:1 RF flux transformer****Maximum Ratings**

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

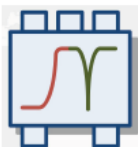
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

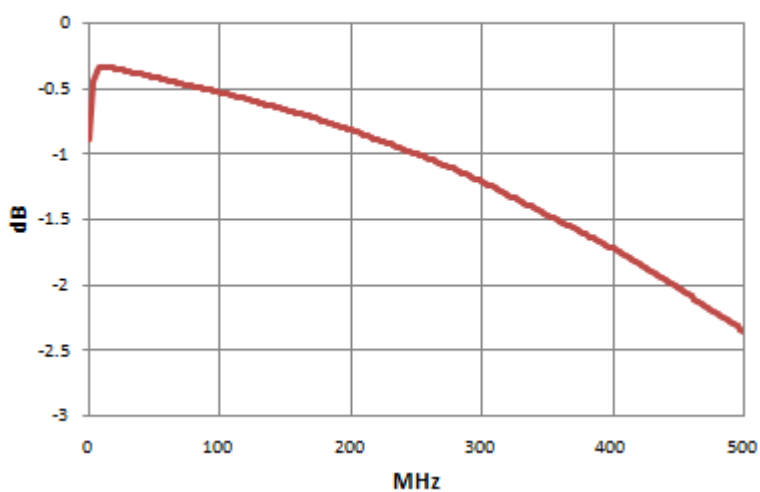
PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	2

Electrical Specifications: TA=25°C, Zo=50Ω

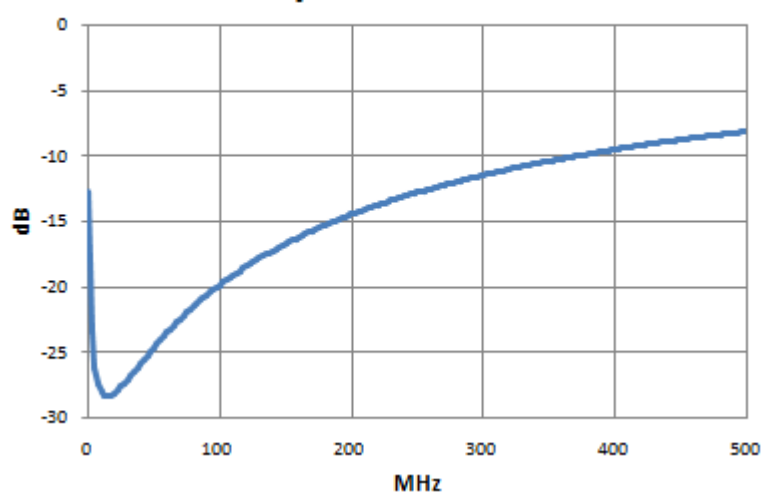
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss	0.5-300MHz	dB	---	---	2.0
	1-100MHz	dB	---	---	1.0
	0.3-500MHz	dB	---	---	3.5
Input Return Loss	0.3-500MHz	dB	8	---	---
	1-100MHz	dB	16	---	---
	100-500MHz	dB	6	---	---
Phase Unbalance	0.3-500MHz	degree	----	+/-5.0°	---
Amplitude Unbalance	0.3-500MHz	dB	---	+/-0.6	---
RF Power Rating (max)			250mw		
DC Current Rating (max)			30mA		
Test Impedance (50Ω,75Ω, etc.)			50OHM		



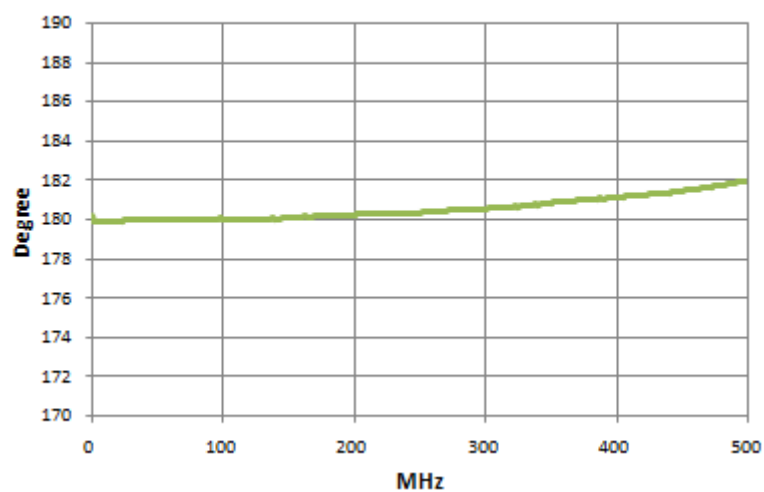
Insertion Loss



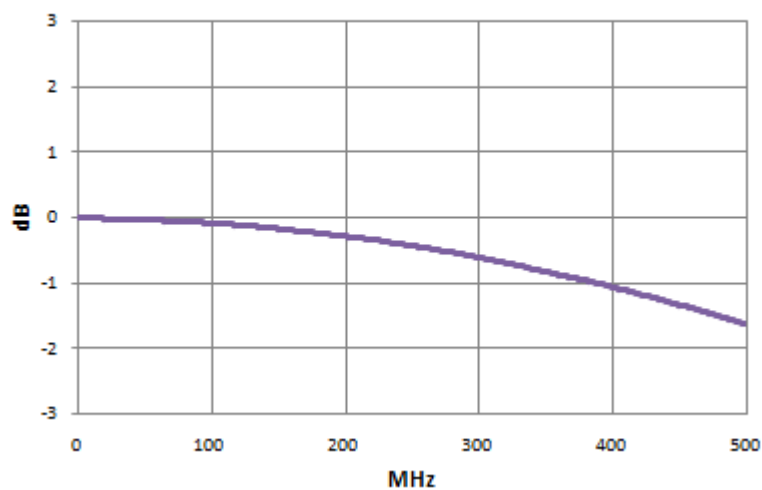
Input Return Loss



Phase



Amplitude



S22_Output Return Loss

