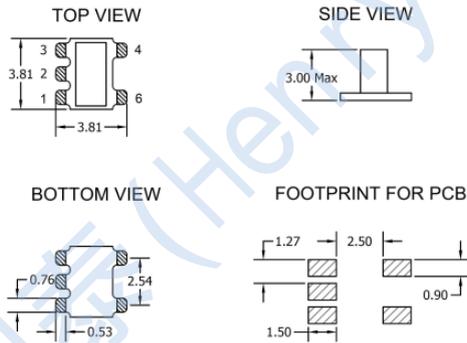




0.5-300Mhz 50Ω 1:4 Ratio Transformer

HT-TC4-1T+

Mechanical Dimensions:



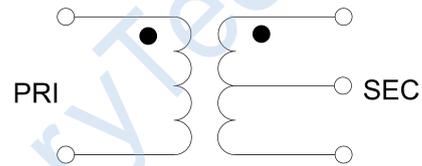
Notes:

- 1: Dimensions in mm.
- 2: Tolerance  $\pm 0.3\text{mm}$  unless otherwise noted.

Ports Configuration:

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

Schematic:



Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		1
DC Current		mA		300
Operating Temperature Range		Degree Cel	-40	85
Storage Temperature Range		Degree Cel	-55	100
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
HT-TC4-1T+	2000 per reel



0.5-300MHz 50Ω 1:4 Ratio Transformer

HT-TC4-1T+

Electrical Specifications:  $T_a=25^\circ\text{C}$   $Z_o=50\ \Omega$   $P_{in} = 0\ \text{dBm}$

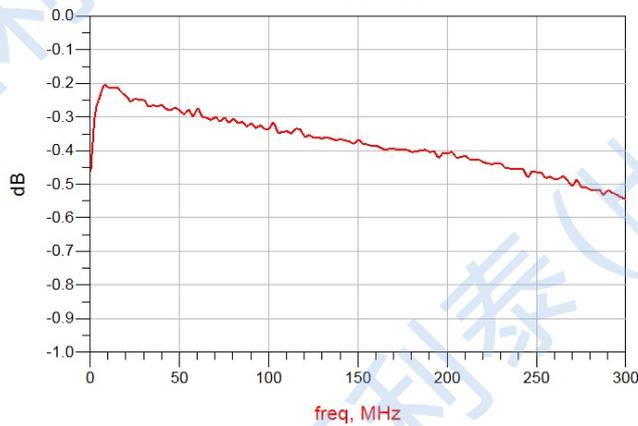
Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	0.5	~	300
Impedance	-	-	-	50	-
Impedance Ratio	-	-	-	1:4	-
Insertion Loss	0.5-300MHz	dB	-	2	-
Insertion Loss	1.5-100MHz	dB	-	1	-

Notes:

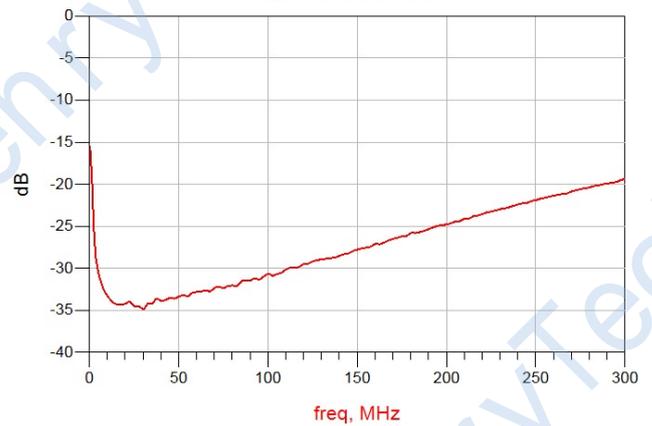
1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves:

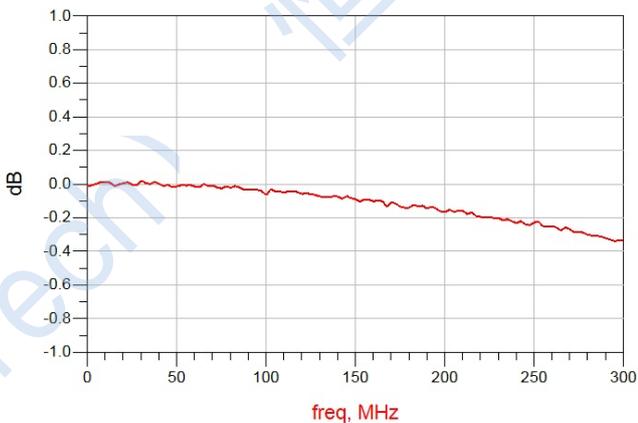
Insertion Loss



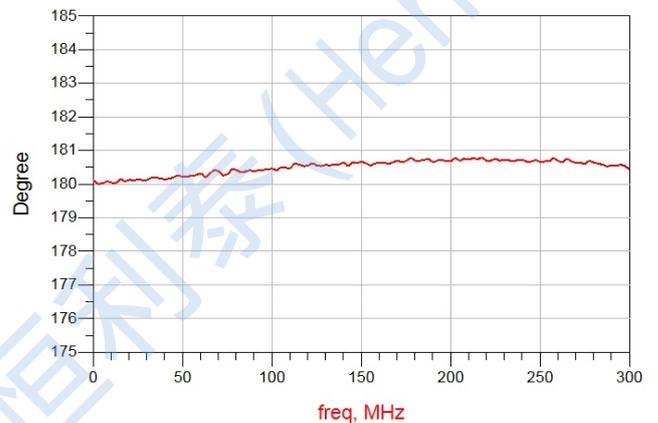
Input Return Loss



Amplitude Balance



Phase Balance



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