

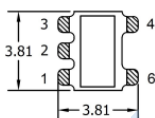


2-500Mhz 50Ω 1:8 Ratio Transformer

HT-TC8-1+

Mechanical Dimensions:

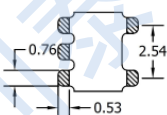
TOP VIEW



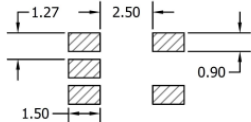
SIDE VIEW



BOTTOM VIEW



FOOTPRINT FOR PCB



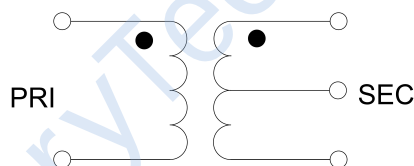
Notes:

- 1: Dimensions in mm.
- 2: Tolerance ± 0.3 mm unless otherwise noted.

Ports Configuration:

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	3
SECONDARY	1
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-TC8-1+	2000 per reel



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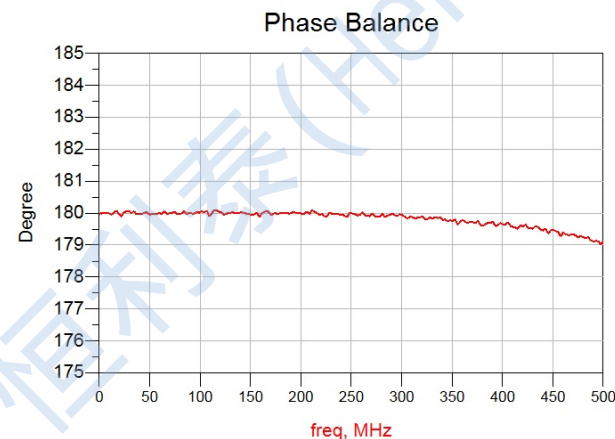
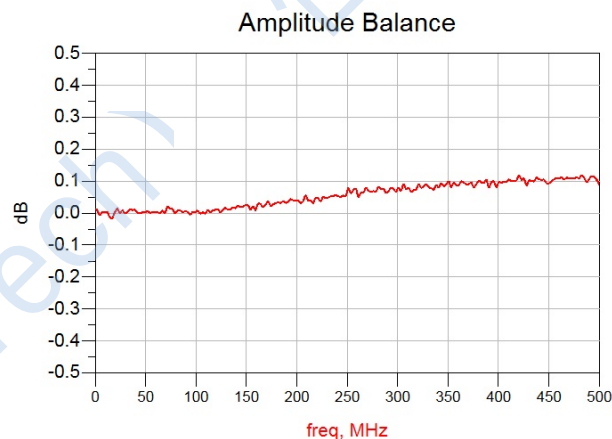
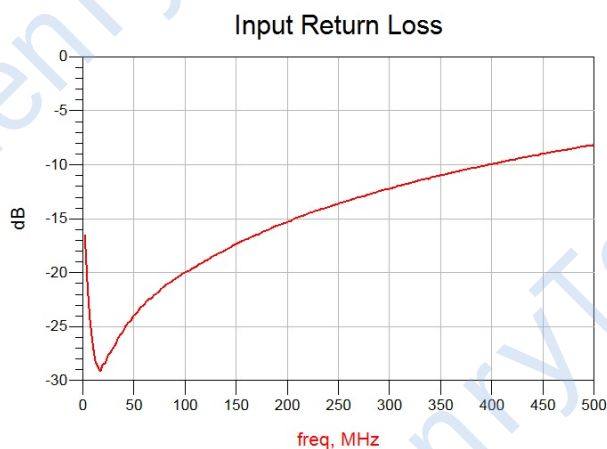
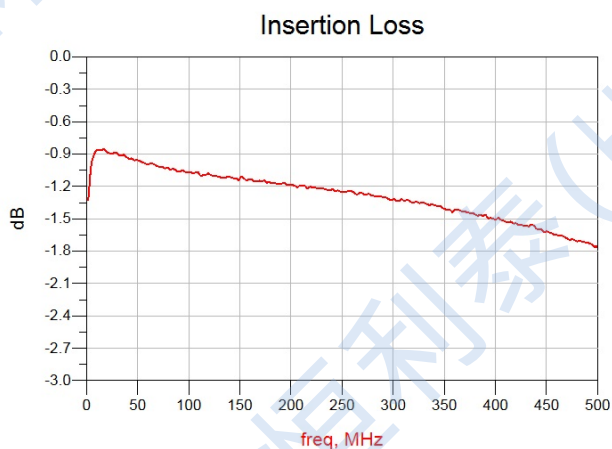
Electrical Specifications: Ta=25°C Zo=50 Ohm Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range		MHz	2	~	500
Impedance			-	50	-
Impedance Ratio			-	1:8	-
Insertion Loss	2-500Mhz	dB	-	2	3
Input Return Loss	2-500Mhz	dB	8	-	-
Amplitude Balance	2-500Mhz	dB	-	-	0.7
Phase Balance	2-500Mhz	Degree	-	-	5

Notes:

1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves:



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