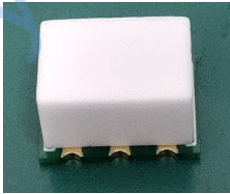


Features

- 1:4 impedance transformer.
- SMT part.
- Packaging 1000pcs per reel.
- used in 50ohm systems.
- weld connect.
- 260 degree compatible.
- ROHS COMPLIANT

HT-ADT4-1T+



50Ω 9 to 625 MHz

Transformer Electrical Specifications

Ω RATIO (Secondary /Primary)	FREQUEN CY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE AT (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
4	9-625	9-625	10-550	14-500	-	-	0.5	1.0

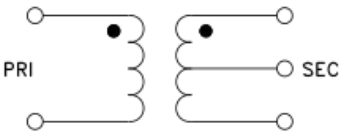
* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

Typical Performance Data

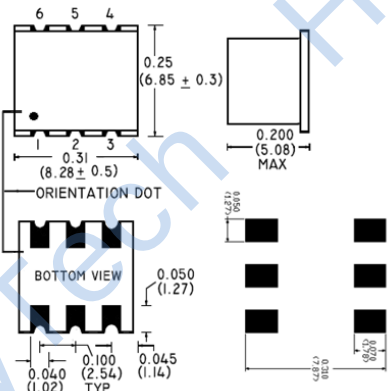
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C, Zo=50Ω)

Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss	14-500MHz	dB	----	---	1.0
	10-550MHz	dB	----	---	2.0
	9-625MHz	dB	----	---	3.0
Amplitude Balance	9-350MHz	dB	----	---	0.5
	350-625MHz	dB	----	---	1.0
Phase Balance	9-350MHz	Degree	----	± 1.20	± 4.0
	350-625MHz	Degree	----	± 3.20	± 10
Input return loss	9-350MHz	dB	15	25	---
	350-625MHz	dB	5	10	---
RF Power Rating (max)			1W		
DC Current Rating (max)			30mA		
Test Impedance (50Ω,75Ω, etc.)			50OHM		
Operating Temperature			-40°C to +85°C		
Storage Temperature			-55°C to +100°C		

SCHEMATIC



Outline Drawing

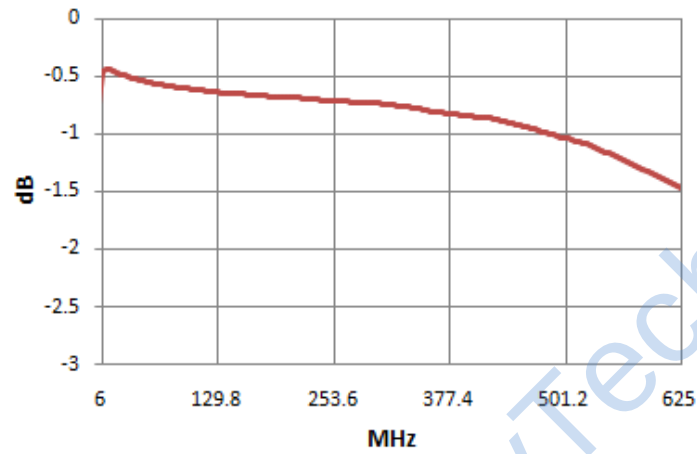


Pin Connections

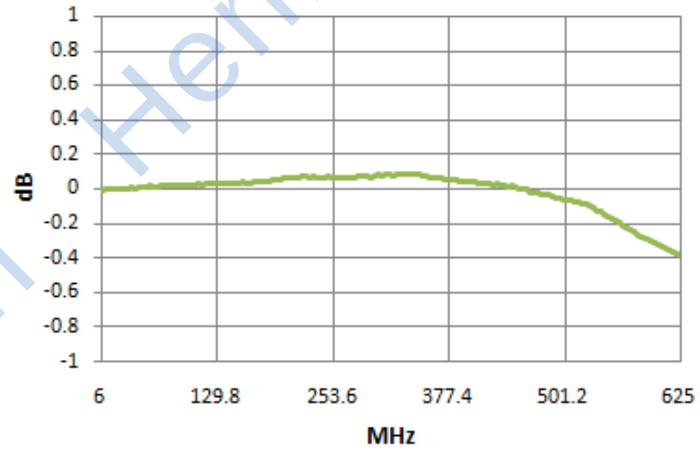
PRIMARY DOT	3
PRIMARY	1
SECONDARY DOT	4
SECONDARY	6
SECONARY CT	5
NOT USED	2

RF Transformer

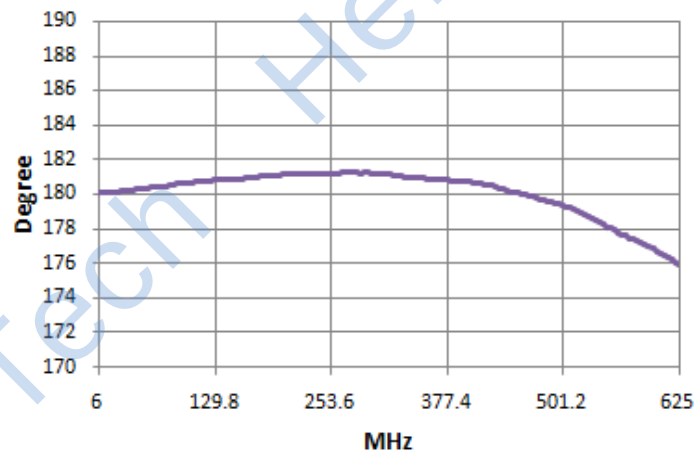
Insertion Loss



Amplitude



Phase



Input Return Loss

