



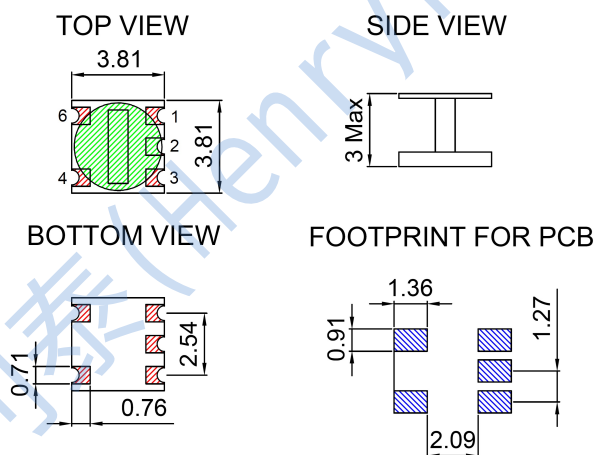
5-1000Mhz 50Ω 20dB Coupler

HT-TCD-20-4X+

Ports Configuration:

Coupled	1
Ground	2
Input	3
Output	4
Not used	5
50Ohm External	6

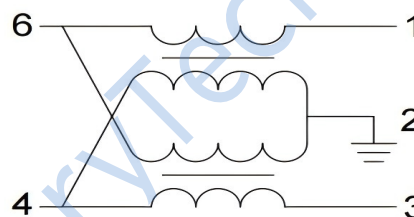
Mechanical Dimensions:



Notes:

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

Schematic:



Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		1
DC Current		mA		500
Operating Temperature Range		Degree Cel	-45	85
Storage Temperature Range		Degree Cel	-55	105
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
HT-TCD-20-4X+	2000 per reel



Electrical Specifications: $Z_0=50\ \Omega$ Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	5	~	1000
Insertion Loss	5-1000MHz	dB	-	0.5	1.2
Coupling	5-2000MHz	dB	19.5	20	20.8
VSWR	5-1000MHz	-	-	-	1.3
Directivity	5-2000MHz	dB	10	20	-

Notes:

1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves:

