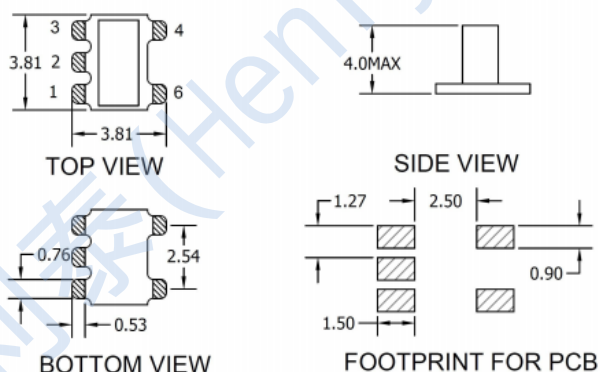




10-750Mhz 50Ω 10dB Coupler

HT-TCD-10-1W+

Mechanical Dimensions:



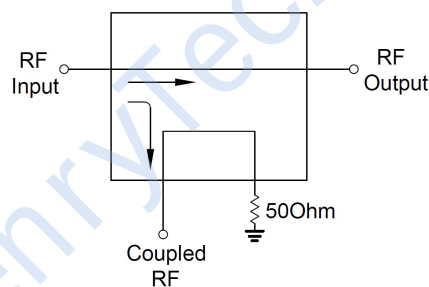
Notes:

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

Ports Configuration:

Input	3
Output	4
Coupled	1
50Ω External	6
Ground	2

Schematic:



Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		1W
DC Current		mA		500
Operating Temperature Range		Degree Cel	-40	85
Storage Temperature Range		Degree Cel	-55	100
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
HT-TCD-10-1W+	2000 per reel



10-750MHz 50Ω 10dB Coupler

HT-TCD-10-1W+

Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	10	~	750
Insertion Loss	10-100MHz	dB	-	1.3	2.1
Insertion Loss	100-350MHz	dB	-	1.2	1.6
Insertion Loss	350-750MHz	dB	-	1.4	2
Coupling	10-750MHz	dB	-	10.3±0.5	-
Coupling Flatness	10-750MHz	dB	-	±0.8	-
VSWR	10-750MHz	-	-	1.3	-
Directivity	10-100MHz	dB	17	22	-
Directivity	100-350MHz	dB	14	18	-
Directivity	350-750MHz	dB	-	15	-

Notes:

1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves: