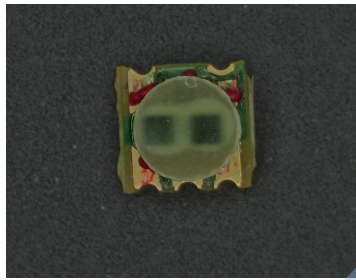


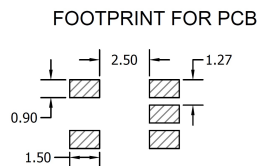
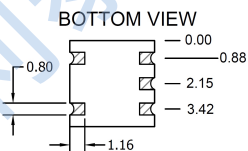
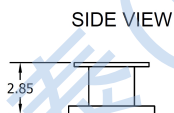
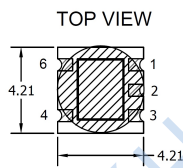


50-2000Mhz 50Ω 17dB Coupler

HT-CP17-50-2000M



Mechanical Dimensions:



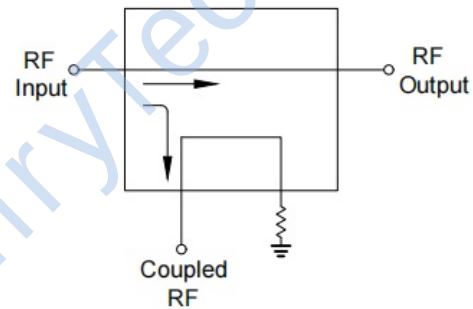
Notes:

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

Ports Configuration:

Input	3
Output	4
Coupled	1
Ground	2
NC/Ground	6

Schematic:



Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		2
DC Current		mA		500
Operating Temperature Range		Degree Cel	-55	125
Storage Temperature Range		Degree Cel	-55	125
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
HT-CP17-50-2000M	2000 per reel



50-2000Mhz 50Ω 17dB Coupler

HT-CP17-50-2000M

Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	50	~	2000
Mainline Loss	50-1000MHz	dB	-	0.9	1.4
Mainline Loss	1000-1500MHz	dB	-	1	1.5
Mainline Loss	1500-2000MHz	dB	-	1.1	1.6
Nominal Coupling	50-1000MHz	dB	-	17.0±0.7	-
Nominal Coupling	1000-1500MHz	dB	-	17.2±0.9	-
Nominal Coupling	1500-2000MHz	dB	-	17.0±1.0	-
Coupling Flatness	50-1000MHz	dB	-	-	±0.9
Coupling Flatness	1000-1500MHz	dB	-	-	±1.0
Coupling Flatness	1500-2000MHz	dB	-	-	±0.8
Directivity	50-1000MHz	dB	13	20	-
Directivity	1000-1500MHz	dB	10	20	-
Directivity	1500-2000MHz	dB	-	14	-
VSWR	50-1000MHz	-	-	1.2	-
VSWR	1000-1500MHz	-	-	1.2	-
VSWR	1500-2000MHz	-	-	1.2	-
Input power	50-1000MHz	W	-	-	2
Input power	1000-1500MHz	W	-	-	2
Input power	1500-2000MHz	W	-	-	2

Notes:

1: Specifications guaranteed over the operating temperature range.



Typical Performance Curves:

