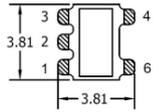




650-4000Mhz 50Ω 1:1 Ratio Transformer

HT-TC1-1-43X+

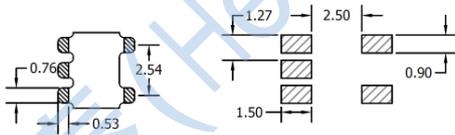
Mechanical Dimensions:



Top View



Side View



Bottom View

Suggested PCB Layout

Notes:

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

Ports Configuration:

PRIMARY DOT	6
PRIMARY (GROUND)	4
SECONDARY DOT	1
SECONDARY	3
NOT USED (GROUND)	2, 5

Schematic:



Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		0.25
DC Current		mA		30
Operating Temperature Range		Degree Cel	-40	85
Storage Temperature Range		Degree Cel	-55	100
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
HT-TC1-1-43X+	2000 per reel



650-4000Mhz 50Ω 1:1 Ratio Transformer

HT-TC1-1-43X+

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

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	650	~	4000
Impedance	-	ohm	-	50	-
Impedance Ratio	-	-	-	1:1	-
Insertion Loss	650-4000Mhz	dB	-	2	-
Insertion Loss	800-3000Mhz	dB	-	1	-
Phase Balance	650-4000Mhz	Degrees	-	3	-
Phase Balance	800-3000Mhz	Degrees	-	4	-
Amplitude Balance	650-4000Mhz	dB	-	0.5	-

Notes:

1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves:

