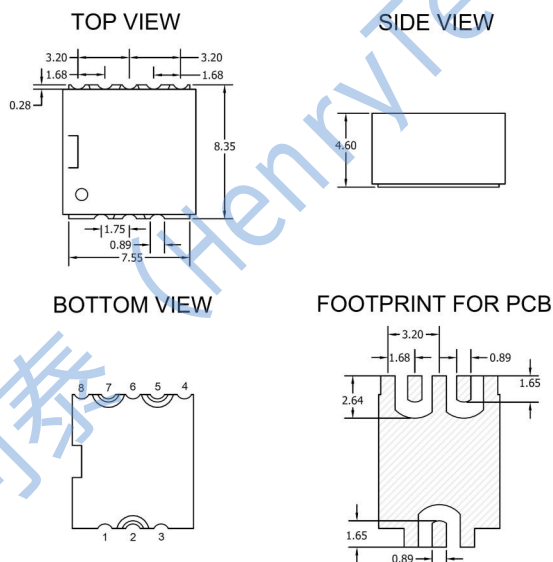




500KHz-9000Mhz 50Ω 1:2 Transformer

HT-BAL-0009SMG

Mechanical Dimensions:



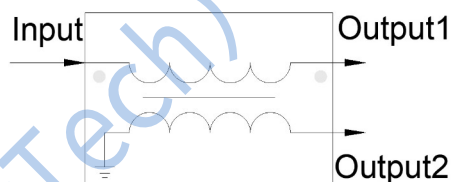
Notes:

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

Ports Configuration:

Input	2
0°Output	5
180°Output	7

Schematic:



Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		1
DC Current		mA		300
Operating Temperature Range		Degree Cel	-55	100
Storage Temperature Range		Degree Cel	-65	125
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
HT-BAL-0009SMG	800 per reel



500KHz-9000Mhz 50Ω 1:2 Transformer

HT-BAL-0009SMG

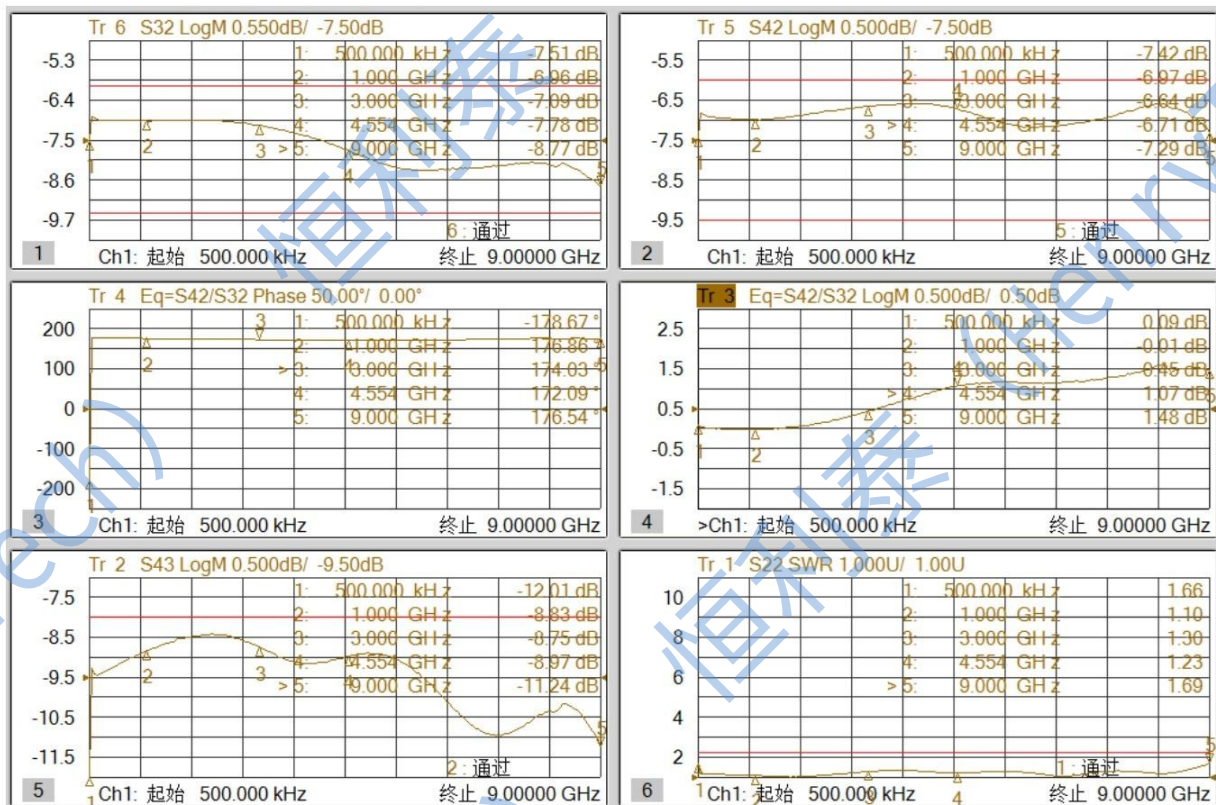
Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	0.5	~	9000
Impedance	-	-	-	50	-
Impedance Ratio	-	-	-	1:2	-
Nominal Insertion Loss	0.5-9000MHz	dB	-	6	-
Nominal Phase Shift	0.5-9000MHz	Degree	-	180	-
VSWR	0.5-9000MHz	-	-	-	2.2
Insertion Loss	0.5-9000MHz	dB	-	-	3.5
Common Mode Rejection	0.5-9000MHz	dB	-	-	20
Isolation	0.5-9000MHz	dB	-	-	7
Amplitude Balance	0.5-9000MHz	dB	-	-	1.6
Phase Balance	0.5-9000MHz	Degree	-	-	±10

Notes:

1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves:



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