

H3-TCM4-452X+

20-5000MHz 50Ω 1:4 Balun

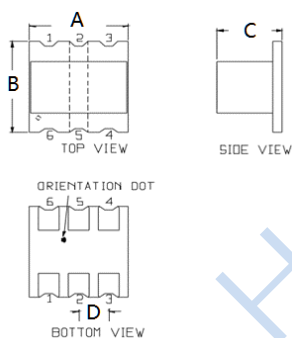
APPLICATIONS

Ideally suitable for PCS, wideband push-pull amplifiers and cellular applications.

FEATURES

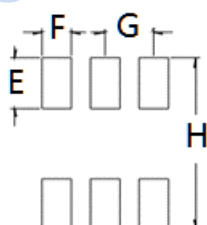
- Surface mount
- Impedance ratio: 1:4
- Balanced transmission line
- RoHS compliant
- 260°C reflow compatible

DIMENSIONS



A	B	C
4.30	4.30	3.00
D		
1.27		

Land Pattern



E	F	G
1.40	0.76	1.27
H		
4.83		

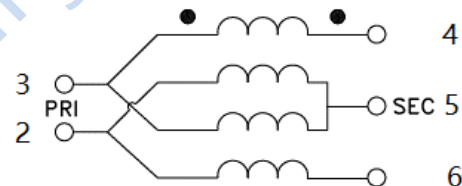
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/100/100		Ohm
Insertion Loss	20-5000MHz		2.5	3.0	dB
Phase Balance	20-5000MHz		10.0		Deg
Amplitude Balance	20-5000MHz		0.7		dB

FUNCTIONAL SCHEMATIC

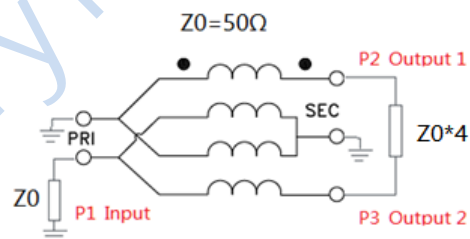


Turns: Pin 3 - 2 = 8T
Pin 4 - 5 = 8T
Pin 5 - 6 = 8T

PIN CONFIGURATION

Pin No.	Function
1	Not used(ground)
2	Primary(Ground)
3	Primary Dot
4	Secondary Dot
5	Ground
6	Secondary

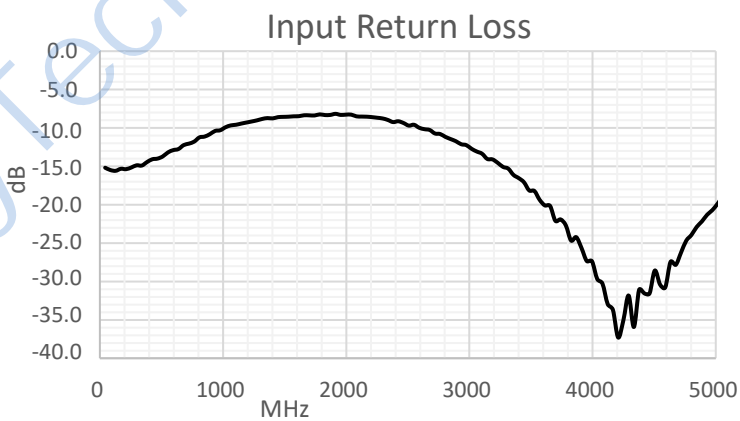
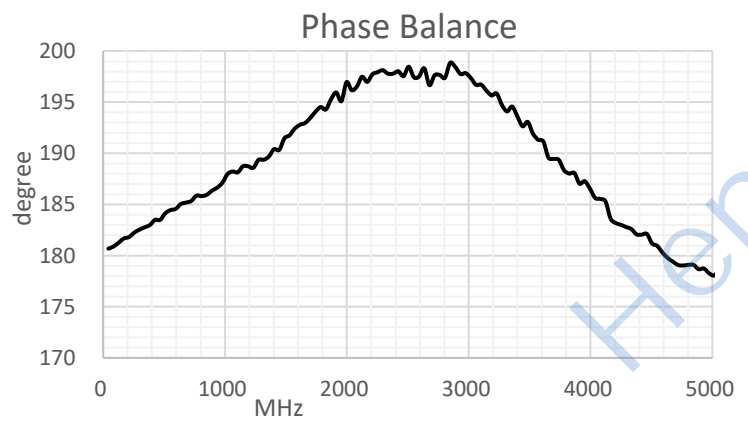
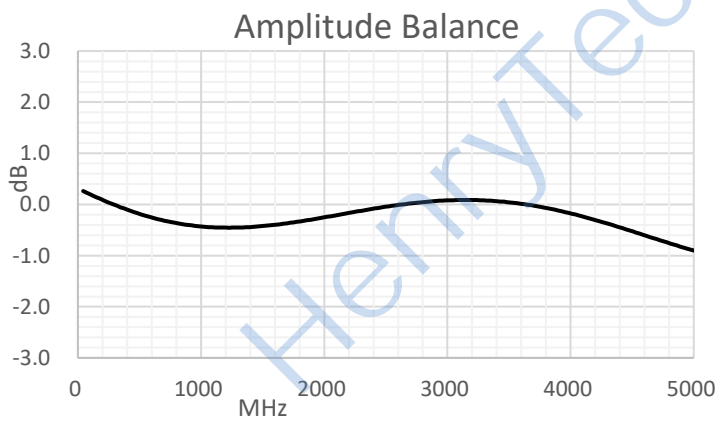
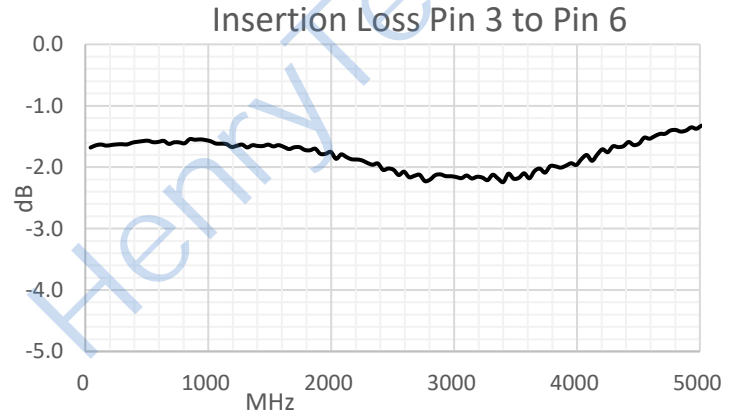
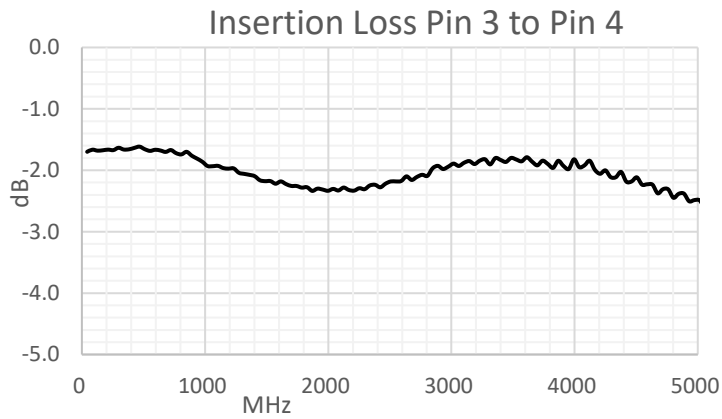
APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	0.4W
DC Current	30mA
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 100°C

TEST CURVE



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