

H3-TCM3-452X-1

20-4500MHz 50Ω 1:2 Balun

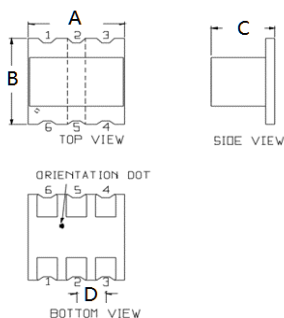
APPLICATIONS

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

FEATURES

- Surface mount
- Impedance ratio: 1:2
- Balanced transmission line
- RoHS compliant
- 260°C reflow compatible

DIMENSIONS

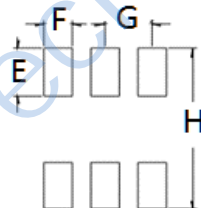


A	B	C
4.30	4.30	3.00
D		
1.27		

Unless otherwise stated dimensions are in mm

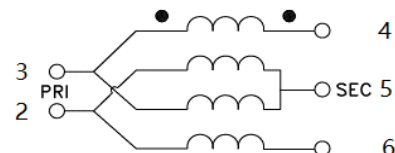
Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



E	F	G
1.40	0.76	1.27
H		
4.83		

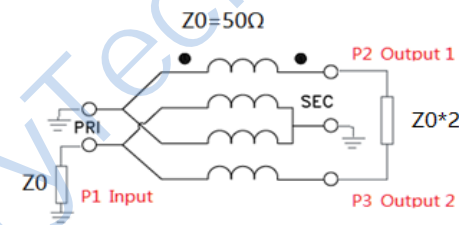
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

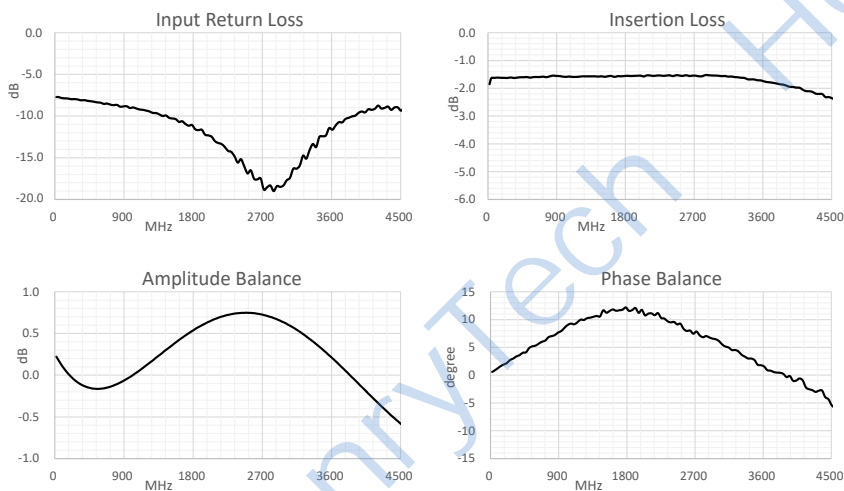
APPLICATION & TEST CIRCUIT



ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/75/75		Ohm
Insertion Loss	20-4500MHz		2.3	3.0	dB
Phase Balance	20-4500MHz		12.0		Deg
Amplitude Balance	20-4500MHz		0.5		dB

TEST CURVE



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

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