

H3-TCM1-43X+

10-6000MHz 50Ω 1:1 Balun

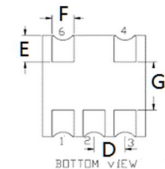
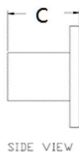
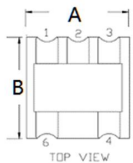
APPLICATIONS

- Differential modulator/demodulator and active mixers
- Wideband push-pull amplifiers
- LTE, Cellular, PCS, UMTS, WiFi, WiMAX

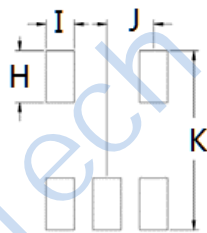
FEATURES

- Surface mount
- Impedance ratio: 1:1
- Available on tape and reel
- RoHS compliant and Pb free

DIMENSIONS



Land Pattern



A	B	C	D	H	I	J
4.21	4.21	2.40	1.27	1.40	0.76	1.27
E	F	G		K		
1.11	0.90	2.00		4.83		

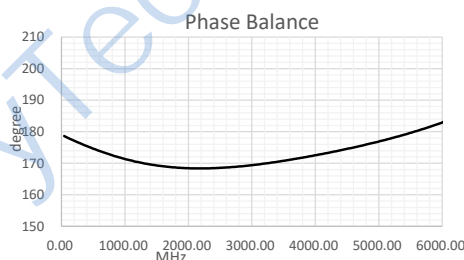
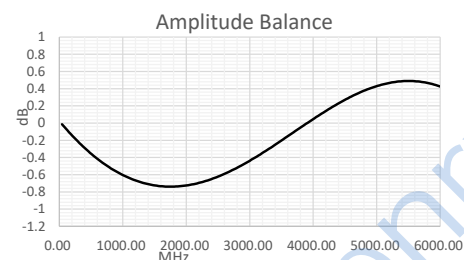
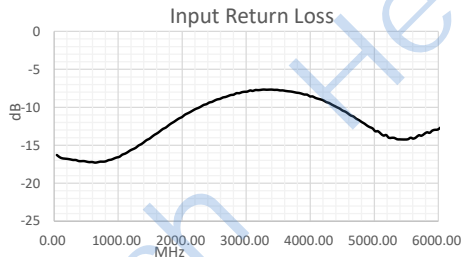
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

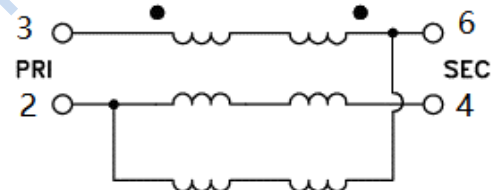
ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50 / 25 25		Ohm
Insertion Loss	10-5000MHz		1.8	2.5	dB
	5000-6000MHz		2.4	3.0	dB
Amplitude Balance	10-6000MHz		0.5		dB
Phase Balance	10-6000MHz		8.0		Deg
Input Return Loss	10-6000MHz		13		dB

TEST CURVE



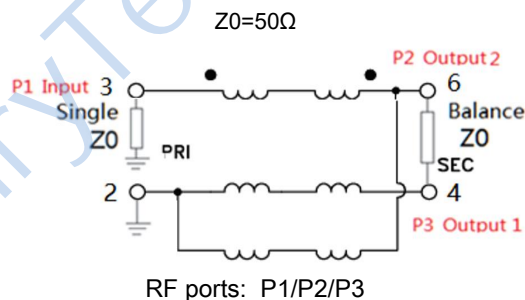
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Not used
2	Primary
3	Primary Dot
4	Secondary
6	Secondary Dot

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	200mW Max
DC Current	30mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 100°C

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