

H3-TCM1-83X+

10-5000MHz 50Ω 1:1 Balun

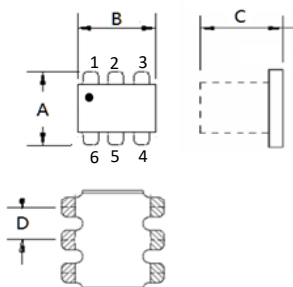
APPLICATIONS

- 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
- 260°C reflow compatible

DIMENSIONS

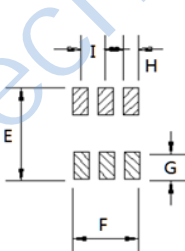


A	B	C
3.81	3.81	2.80
D		
1.27		

Unless otherwise stated dimensions are in mm

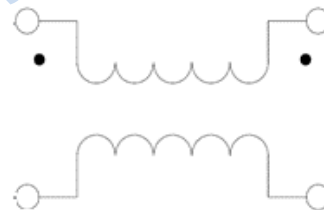
Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

FUNCTIONAL SCHEMATIC



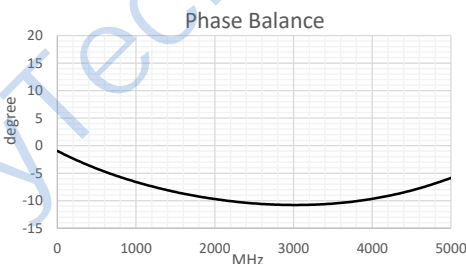
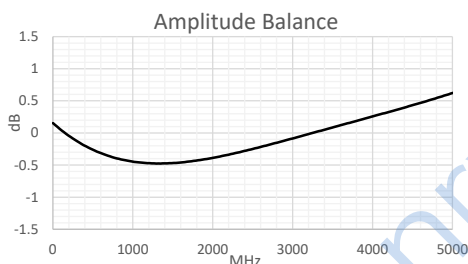
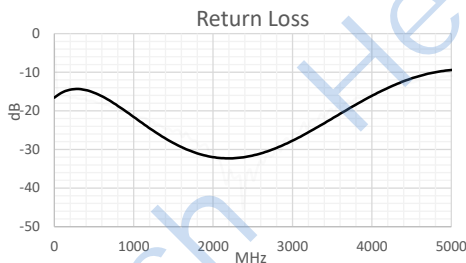
PIN CONFIGURATION

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

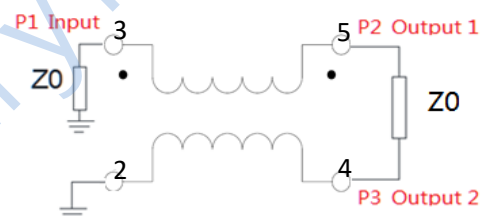
ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/ 25/ 25		Ohm
Insertion Loss	10-5000MHz		1.3	2.5	dB
Amplitude Balance	10-5000MHz		0.5		dB
Phase Unbalance	10-5000MHz		8		°

TEST CURVE



APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	250mW MAX
DC Current	30mA MAX
Operating Temperature Range	-40 to 85°C

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