

H3-TC1-1TG2+

0.4-500MHz 50Ω 1:1 Balun

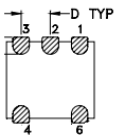
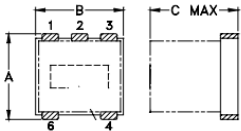
APPLICATIONS

Ideally suited for high volume cellular and wireless applications.

FEATURES

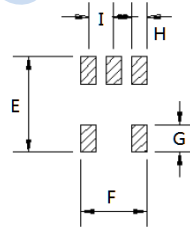
- Surface mount
- Impedance ratio: 1:1
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible
- CT on Secondary

DIMENSIONS



A	B	C
3.81	3.81	3.81 Max
D		
1.27		

Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

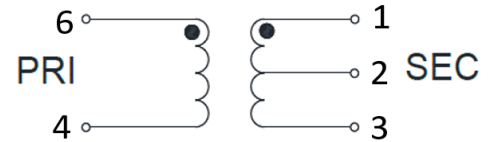
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Insertion Loss	1-100MHz		0.5	1.0	dB
	0.5-300MHz		1.1	2.0	dB
	0.4-500MHz		1.8	3.0	dB
Return Loss	1-100MHz		18.0		dB
	0.5-300MHz		10.0		dB
	0.4-500MHz		7.0		dB
Amplitude UnBalance	1-100MHz		0.1		dB
	0.5-300MHz		0.6		dB
Phase UnBalance	1-100MHz		1.0		Deg
	0.5-300MHz		5.0		Deg

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Secondary Dot
2	Secondary CT
3	Secondary
4	Primary
6	Primary Dot

ABSOLUTE MAXIMUM RATINGS

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

TEST CURVE

