



H3-TRS1-182-75+

10-1800MHz 75Ω 1:1 Balun

• APPLICATIONS

• Ideally suitable for CATV broadband applications.

• FEATURES

• Surface mount

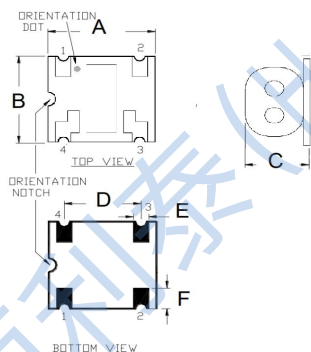
• Impedance ratio: 1:1

• Suitable for use in 50 Ohm and 75 Ohm systems

• RoHS compliant and Pb free

• Available on tape and reel

DIMENSIONS

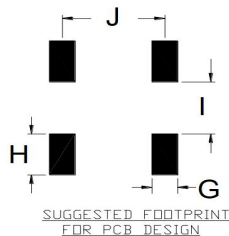


A	B	C
7.11±5%	6.35±5%	2.60
D	E	F
5.08	1.00	1.50

Unless otherwise stated dimensions are in mm

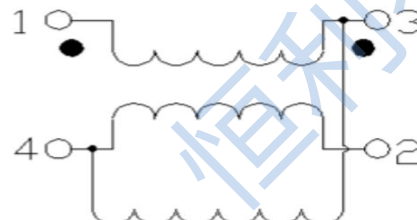
Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



G	H	I
1.27	2.40	3.05
J		
5.08		

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Primary Dot (input)
2	Secondary (output 2)
3	Secondary (output 1)
4	Primary (ground)

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			75		Ohm
Insertion Loss	50-1200MHz		0.6	1.0	dB
	10-1800MHz		0.8	2.0	dB
Phase Balance	50-1000MHz		3.0	4	Deg
	1000-1200MHz		3.0	8	Deg
	10-1800MHz		3.0	15	Deg
Amplitude Balance	50-1200MHz		0.2	0.7	dB
	10-1800MHz		0.3	1.4	dB
Input Return Loss	50-500MHz	16	26		dB
	500-1000MHz	13	23		dB
	1000-1200MHz	13	22		dB
	10-1800MHz	8	21		dB

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	1W
DC Current	30 mA
Operating Temperature Range	-40 to 125°C
Storage Temperature Range	-40 to 125°C

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TEST CURVE

