

Transmission Line Transformer(4-2000MHz)

Features

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

Description

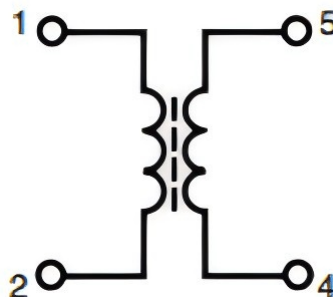
SCOPE

- MCTLT1-1-345 is a 1:1 Transmission Line transformer in a SMT package.

APPLICATIONS

- Ideally suited for high volume cellular and wireless application.

Functional Schematic



Pin Configuration

Pin #	Function	Pin #	Function
1	Primary Dot	4	Secondary
2	Secondary Dot	5	Primary
3	Not Connected		

ELECTRICAL SPECIFICATIONS@25°C

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Insertion Loss	4.5-1000MHz		0.6	1.0	dB
	1000-2000MHz		1.7	2.0	dB

Absolute Maximum Ratings

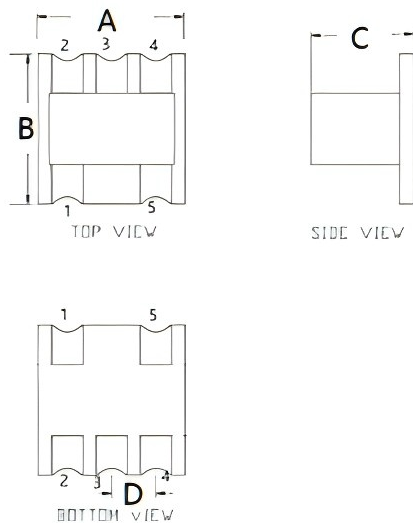
Parameter	Value
Input Power	250mW Max
DC Current	30mA Max
Operating Temperature Range	-40 to 125°C

Test Curve

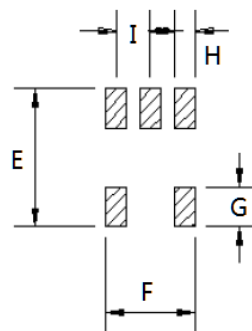


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Dimensions



Land Pattern



A	B	C
4.50	4.50	2.90
D		
1.50		

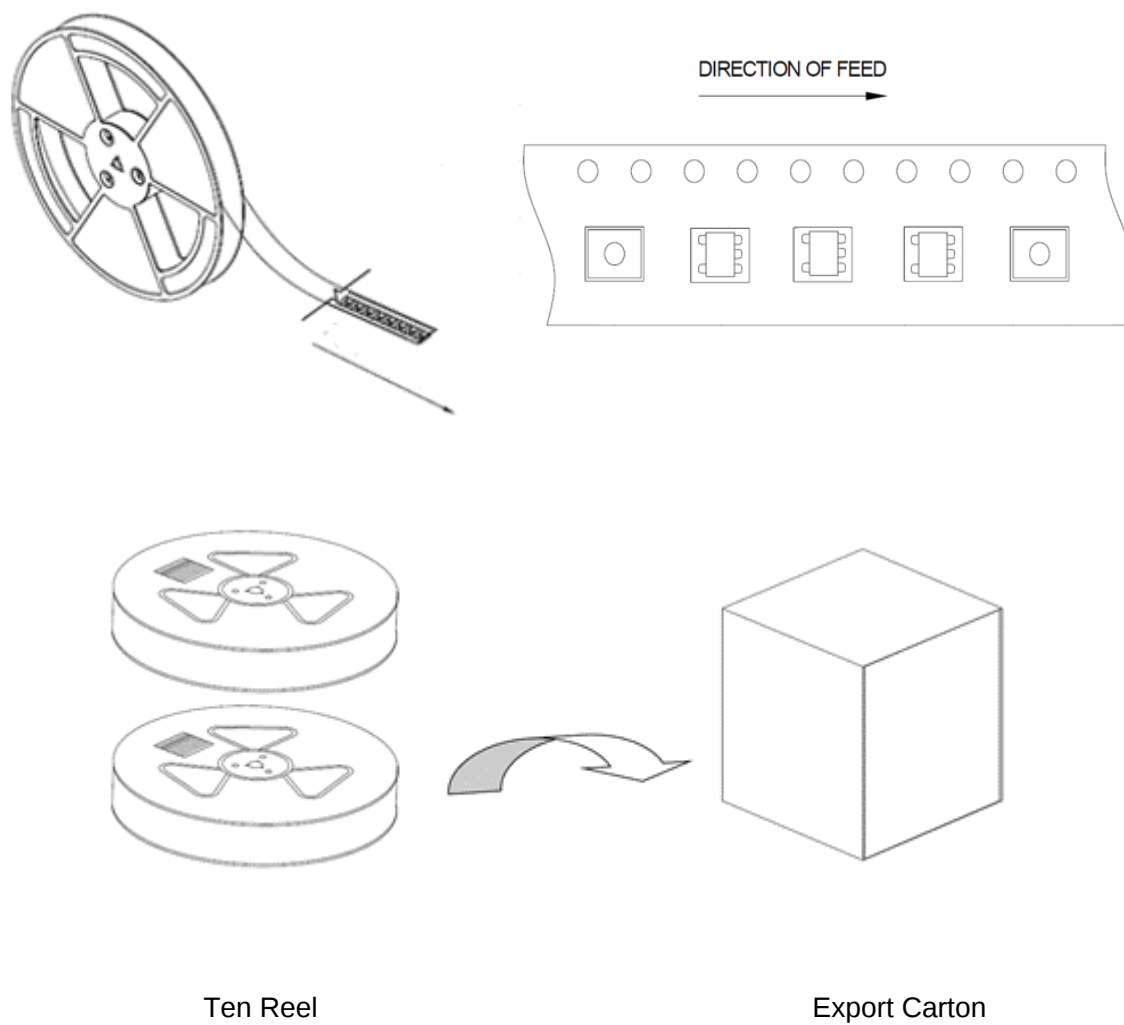
E	F	G
5.50	4.00	2.00
H	J	
1.00	1.50	

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

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Packing



Quantity per reel: 2000 pcs

Quantity per export carton: 20000 pcs