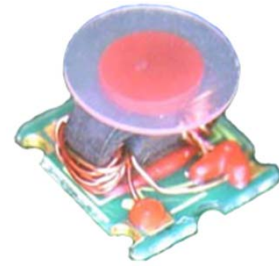


## Features

- RoHS compliant
- RF power: 500mW Max.
- DC current: 500mA Max.
- Operation temperature -40~85°C
- Wideband 50-1200MHz
- Impedance ratio: 1:1

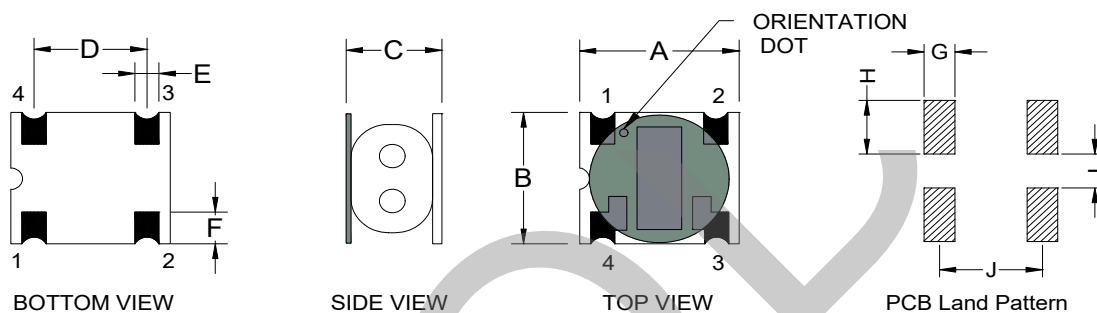
## Applications

CATV, broadband applications.

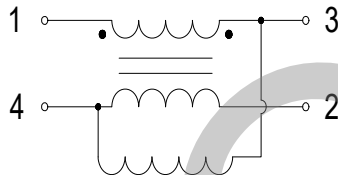


Mechanicals (Unit in mm, tolerance: +/-0.25 unless specify)

A	B	C	D	E	F	G	H	I	J
7.11±5%	6.35±5%	4.36±10%	5.08	1	1.50	1.27	2.40	3.05	5.08



## Schematics



## Pin connection

Pin 1	Primary Dot (input)
Pin 2	Secondary (o/p coupled)
Pin 3	Secondary Dot (o/p through)
Pin 4	Primary (ground)

Electrical Specifications: TA=25°C, Zo=75Ω

Parameters	Test condition	Unit	Min.	Typ.	Max.
Frequency	-	MHz	5	-	1200
Insertion Loss 1 (PIN3-PIN1)	50MHz	dB	-	0.1	0.33
	870MHz	dB	-	0.5	0.93
	1002MHz	dB	-	0.6	1.18
	1200MHz	dB	-	0.8	1.93
Insertion Loss 2 (PIN2-PIN1)	50MHz	dB	-	0.4	0.62
	870MHz	dB	-	0.3	0.63
	1002MHz	dB	-	0.4	0.78
	1200MHz	dB	-	0.6	1.33
Amplitude Balance	50MHz	dB	-	0.3	0.6
	870MHz	dB	-	0.1	0.7
	1002MHz	dB	-	0.2	0.7
	1200MHz	dB	-	0.4	0.8
Phase Balance	50-1002MHz	Deg	-	1.3	4
	1002-1200MHz	Deg	-	3.3	8
Input Return Loss	50-500MHz	dB	18	23	-
	500-1002MHz	dB	17.5	19	-
	1002-1200MHz	dB	11	18	-



## Test Curve

