

Features

- RoHS compliant
- Wideband 4.5-3000MHz
- RF power: 250mW Max.
- DC current: 30mA Max.
- Operation temperature -40~85°C
- Impedance ratio: 1:1

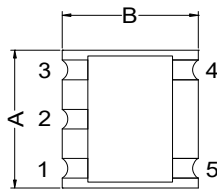
Applications

Ideally suited for high volume cellular and wireless application

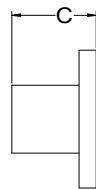


Mechanicals (Unit in mm, tolerance: +/-0.25 unless specify)

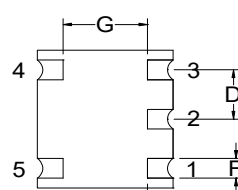
A	B	C	D	E	F	G	H	I	J	K
3.81	3.81	2.72 Max	1.27	0.51	0.76	2.79	1.40	0.76	1.27	4.83



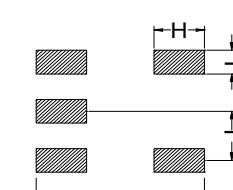
TOP VIEW



SIDE VIEW

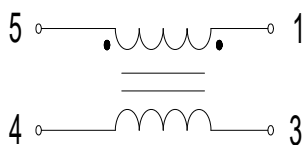


BOTTOM VIEW

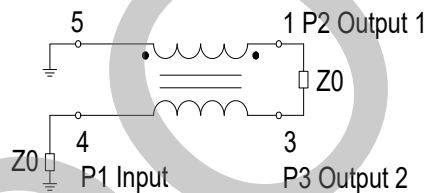


PCB Land Pattern

Schematics



Application & test circuit $Z_0=75\Omega$



Pin connections

1	Secondary Dot
2	No Used
3	Secondary
4	Primary
5	Primary Dot

Electrical Specifications: $T_A=25^\circ\text{C}$ $Z_0=75\Omega$

Parameters	Test condition	Unit	Min.	Typ.	Max.
Frequency	-	MHz	4.5	-	3000
Insertion Loss (Pin 4-3)	4.5-1000MHz	dB	-	0.6	1
	1000-2000MHz	dB	-	1.7	2
	2000-2500MHz	dB	-	2.3	5
	2500-3000MHz	dB	-	3.2	6.5
Insertion Loss (Pin 4-1)	4.5-1000MHz	dB	-	0.8	1
	1000-2000MHz	dB	-	0.9	2
	2000-2500MHz	dB	-	1.9	6
	2500-3000MHz	dB	-	2.6	8.4
Amplitude Balance	4.5-20MHz	dB	-	1	± 1.2
	20-1000MHz	dB	-	0.5	± 1.0
	1000-2000MHz	dB	-	0.7	REF
	2000-3000MHz	dB	-	0.8	REF
Phase Balance (Nominal 180°)	4.5-1000MHz	Deg	-	0.3	± 20
	1000-2000MHz	Deg	-	8	REF
	2000-3000MHz	Deg	-	19	REF
Input Return Loss	4.5-1000MHz	dB	15	24	-
	1000-2000MHz	dB	Ref.	16	-
	2000-3000MHz	dB	Ref.	12	-



Test curve

