

# SMD Balun

## Fixed Balun for Surface Mounting

## 2:1 Balun Transformer

### Features

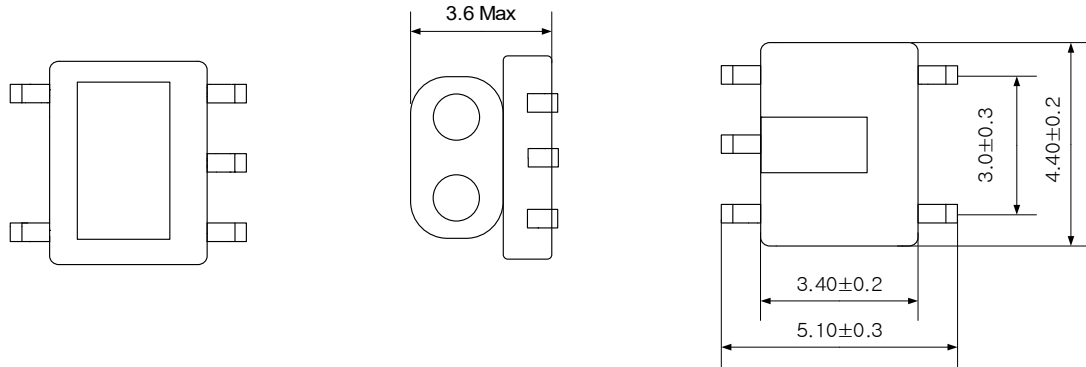
- 2:1 Step Down Balun Transformer



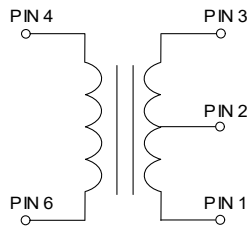
### Applications

- This transformer is ideally suited for CATV Broadband applications

### Dimensions (Unit:mm)

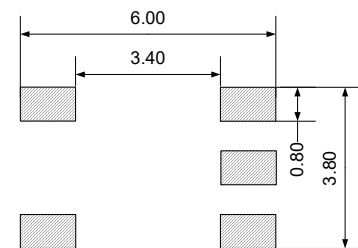


### Schematic



Pin No.	Function
1	Secondary
2	Secondary Center Tap
3	Secondary Dot
4	Primary dot
6	Primary

### Recommended Land Pattern(Unit:mm)



### Electrical Characteristics

Parameter	Conditions	Units	Min	Typ	Max
Insertion Loss1 (Pin4-Pin3)	5-50MHz	dB	-	0.4	0.6
	50-85MHz			0.5	0.7
	85-205MHz			0.8	1.5
	205-300MHz			1.3	2.2
Insertion Loss2 (Pin4-Pin1)	5-50MHz	dB	-	0.4	0.6
	50-85MHz			0.5	0.7
	85-205MHz			0.7	1.4
	205-300MHz			1.2	2.0
Amplitude Balance	5-50MHz	dB	-	0.02	0.2
	50-85MHz			0.04	0.3
	85-205MHz			0.04	0.5
	205-300MHz			0.10	0.7
Phase Balance	5-50MHz	°	-	0.1	2.0
	50-85MHz			0.3	3.0
	85-205MHz			1.1	6.0
	205-300MHz			1.2	7.0
Input Return Loss (Pin4)	5-45MHz	dB	20	25	-
	45-85MHz		15	19	-
	85-205MHz		8	13	-
	205-300MHz		6	9	-

### ※Test Equipment

\*Network Analyzer : E5071B

\*Specifications subject to change without notice. Please check our website for latest information.

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