





# Apps Electronics Limited

## 雅思電子有限公司

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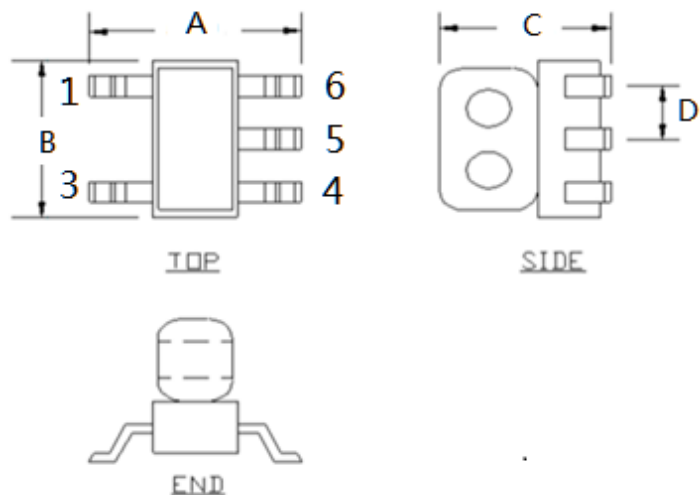
位址: 廣東省深圳市福田區深南大道南 泰然九路喜年中心A座1720室

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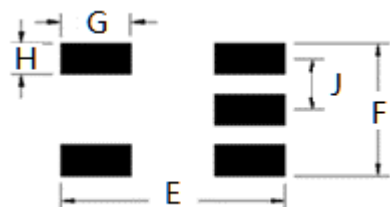
ABL-B02-75011-245

Balun Transformer(5-300MHz)

### DIMENSIONS



### LAND PATTERN



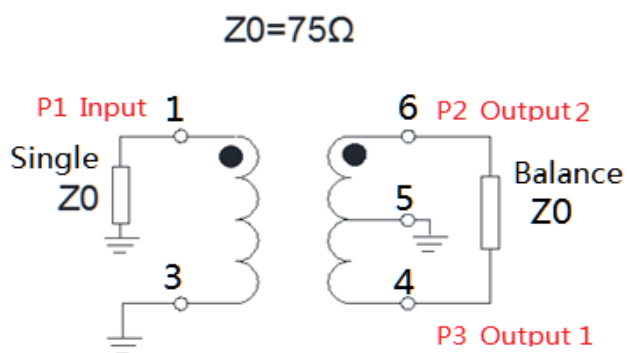
A	B	C
5.30	4.21	3.53
D		
1.50		

E	F	G
6.13	3.91	1.92
H	J	
0.91	1.50	

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

### APPLICATION & TEST CIRCUIT



RF ports: P1/P2/P3

### ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power(+28dBm)	631mW Max
DC Current(tested at 5V)	600mA Max
Operating Temperature Range	-40 to 105°C



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Balun Trasformer(5-300MHz)

### ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			75 / 37.5/ 37.5		Ohm
Insertion Loss	5-60MHz		0.4	0.6	dB
	60-150MHz		0.5	0.7	dB
	150-300MHz		1.0	1.5	dB
Input Return Loss (Pin 1)	5-60MHz	20.0	28.0		dB
	60-300MHz	10.0	15.0		dB
Amplitude Balance	5-60MHz		0.02	0.2	dB
	60-300MHz		0.50	1.0	dB
Phase Balance (ref value 180° Deg)	5-60MHz		0.1	2.0	Deg
	60-300MHz		1.5	5.0	Deg



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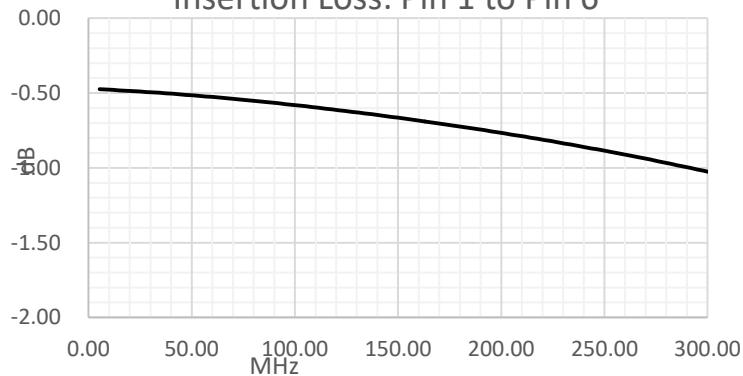
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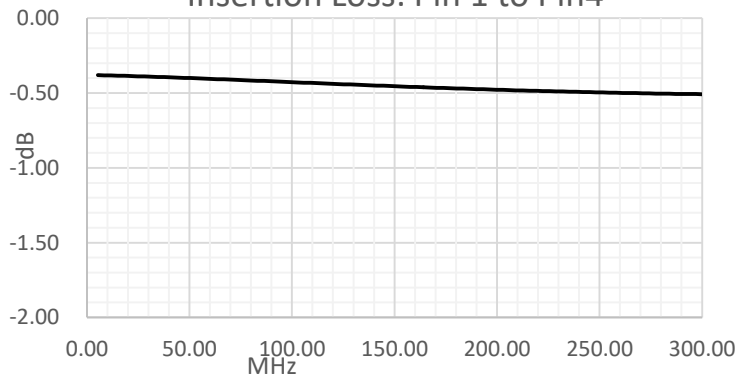
Balun Transformer(5-300MHz)

### TEST CURVE

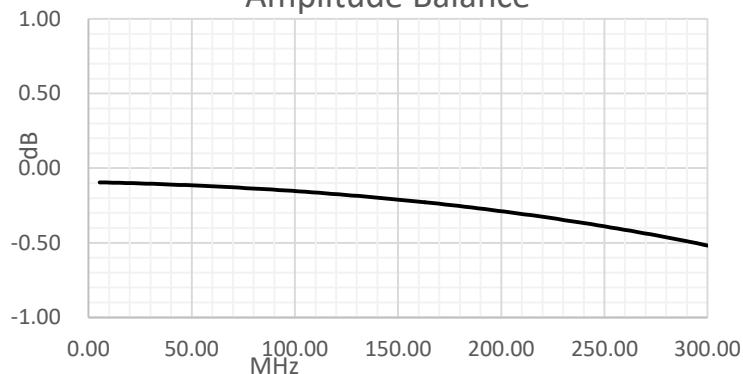
Insertion Loss: Pin 1 to Pin 6



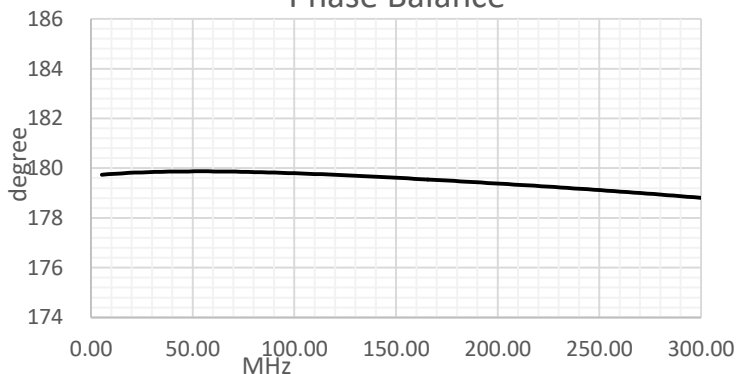
Insertion Loss: Pin 1 to Pin4



Amplitude Balance



Phase Balance



Input Return Loss: Pin 1

