

Data Sheet

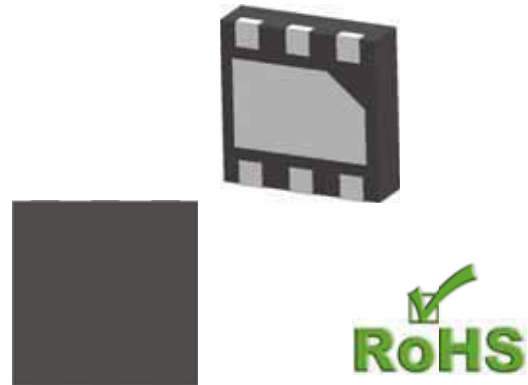
HC1650U03-200

90 Degree Hybrid
1.55GHz-1.75 GHz



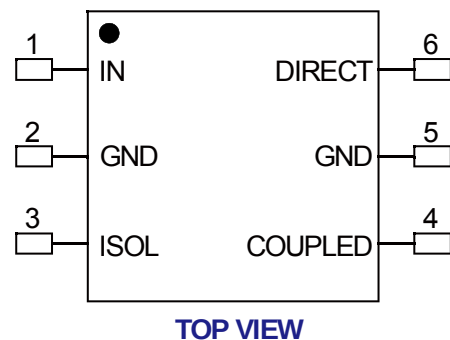
Features

- Small Size (2×2mm)
- Very Low Loss
- Tight Amplitude Balance
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Power handling
 - 4 Watts as a divider
 - 2 Watts as a combiner



Applications

- Phase shifter / Attenuator
- Balanced amplifier / LNA configurations
- Modulators
- Mixers
- Power combining /dividing



TOP VIEW

Electrical Specifications at 25° C

编号	频率范围 (MHz)	耦合端		直通端		幅度平衡度 (dB)	隔离度 (dB)	相位差	端口反射(dB)			
		耦合量	相位1	直通量	相位2				S11	S22	S33	S44
HC1650U03 -200	1558	3.7	-90.82	3.08	179.46	0.62	36.88	89.72	30.83	30.43	28.88	32.84
	1561	3.69	-91.14	3.09	179.14	0.6	36.85	89.72	30.8	30.38	28.86	32.8
	1575	3.66	-92.61	3.13	177.58	0.53	36.7	89.81	30.56	30.15	28.79	32.67
	1609	3.56	-96.06	3.21	174.08	0.35	36.19	89.86	29.82	29.45	28.58	32.22
	1616	3.54	-96.75	3.23	173.34	0.31	36.09	89.91	29.61	29.31	28.56	32.11

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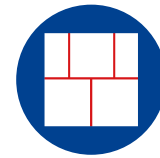
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

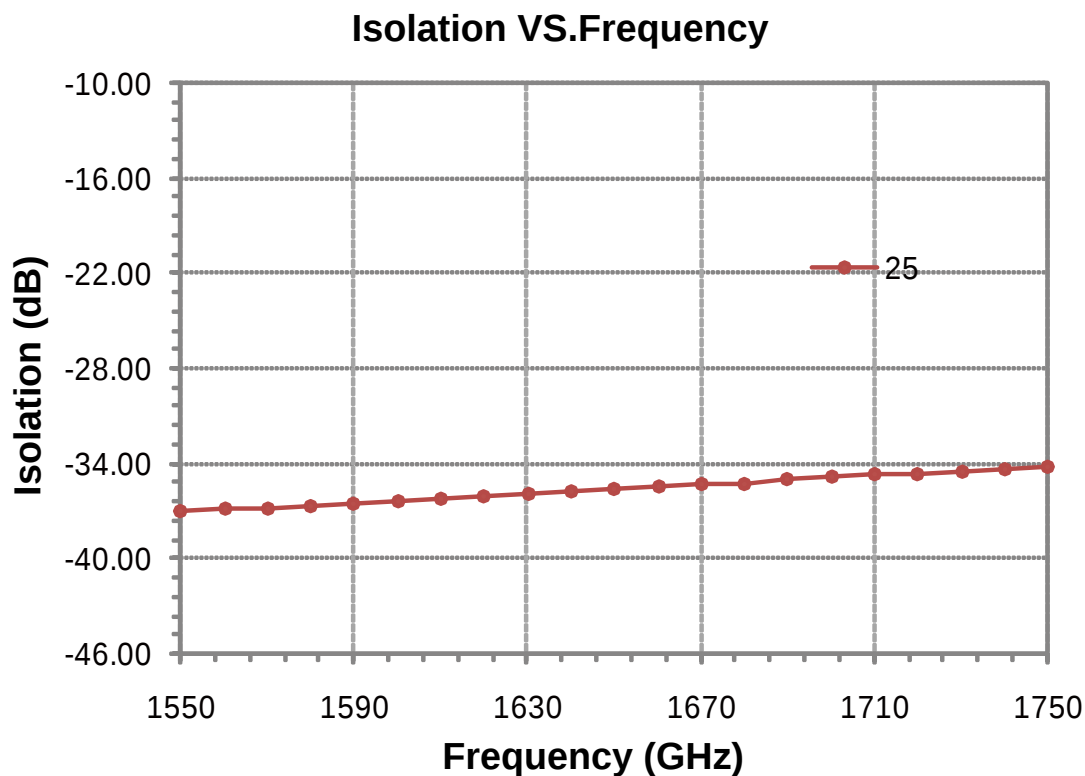
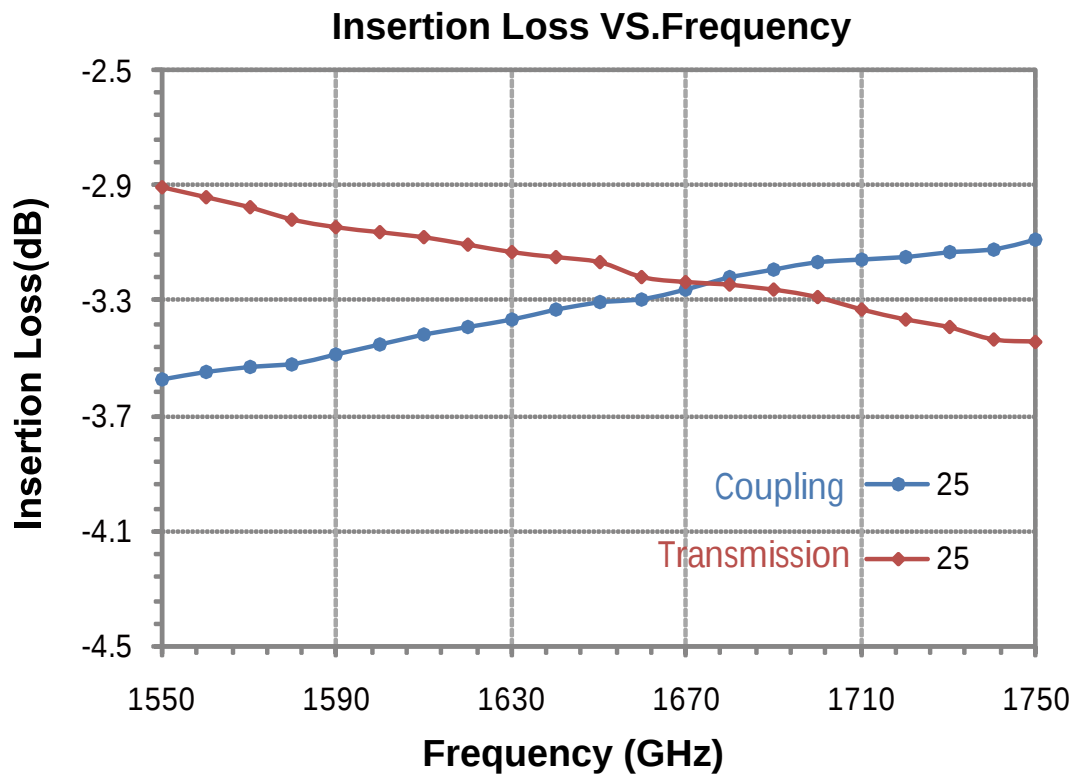
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Key Patents Lead Microwave Tech



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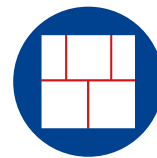
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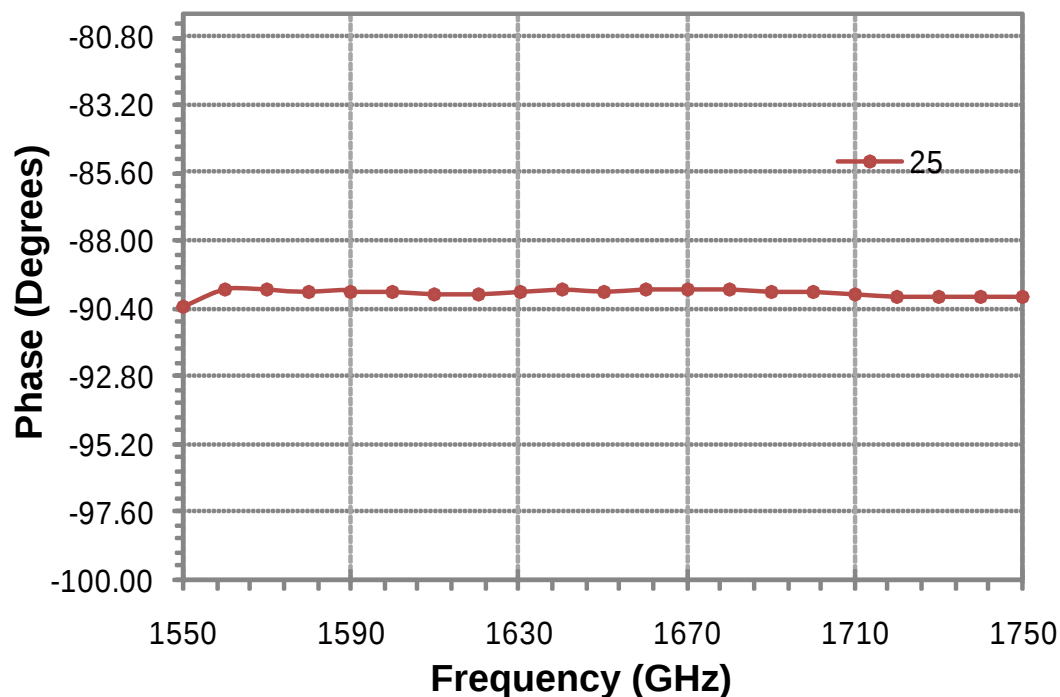
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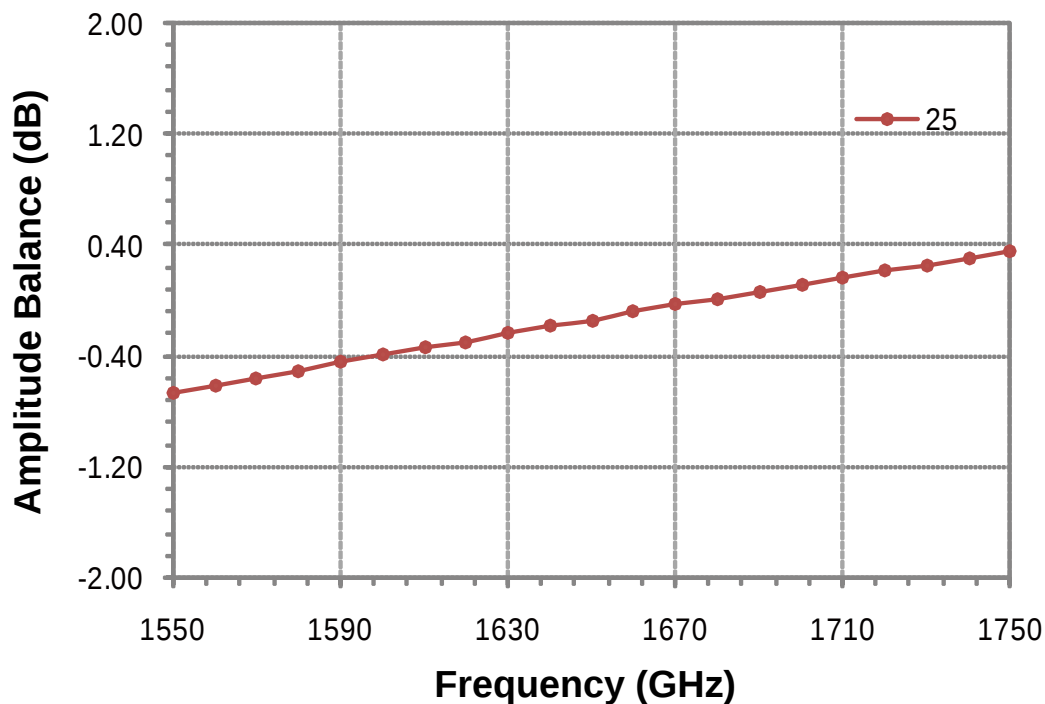


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Phase Balance VS.Frequency



Amplitude Balance VS.Frequency



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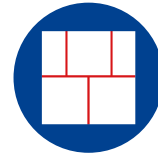
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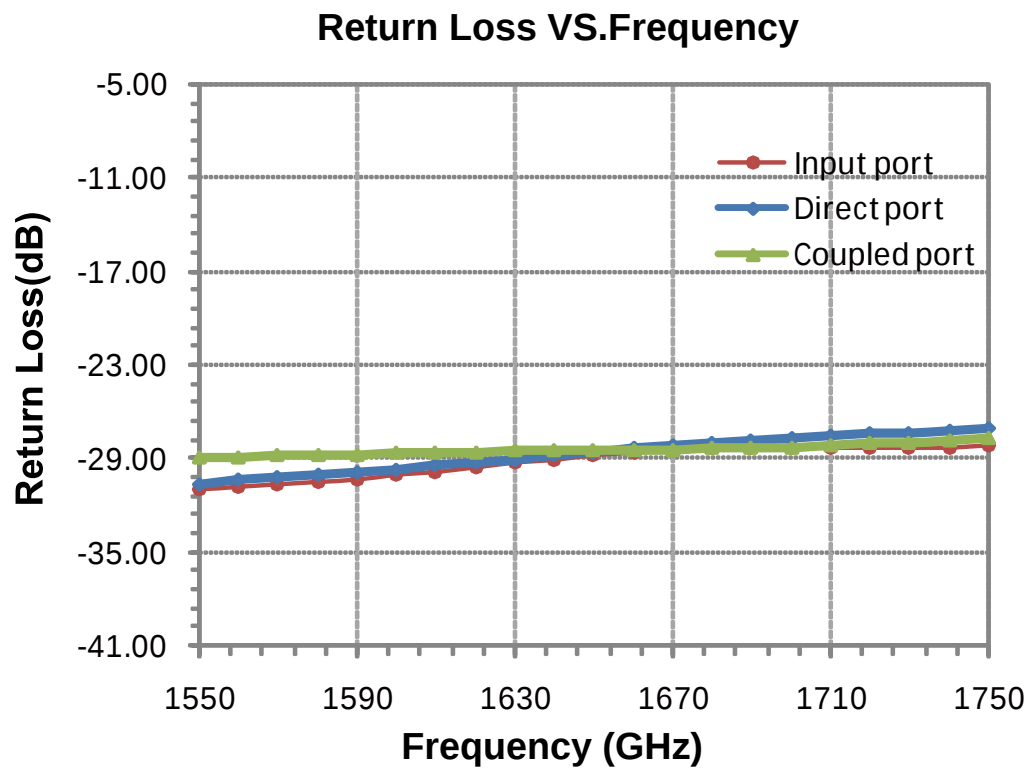
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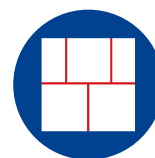
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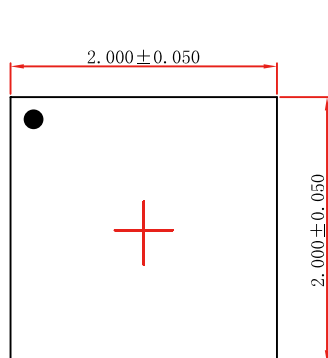
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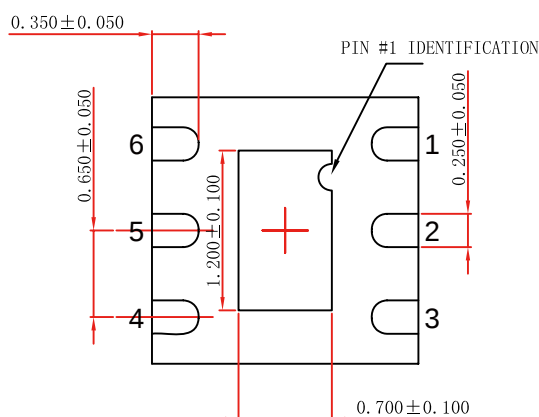


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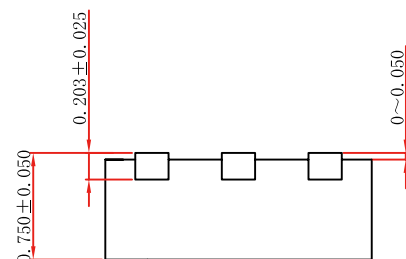
Outline Drawing



TOP VIEW

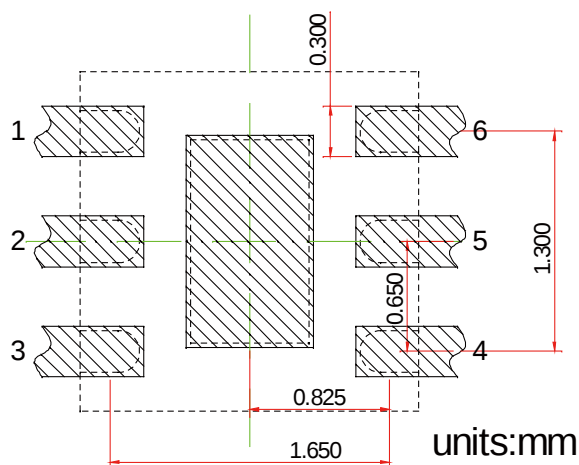


BOTTOM VIEW



SIDE VIEW

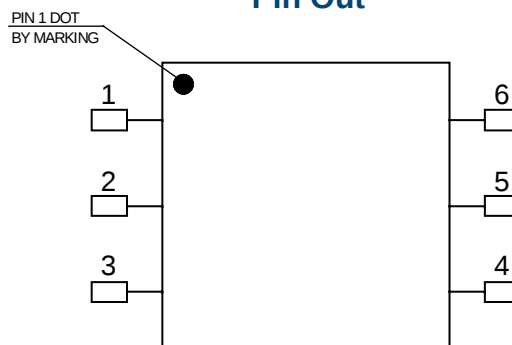
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



TOP VIEW

Pin #	Connection
1	IN
2	GND
3	ISOL
4	COUPLED
5	GND
6	DIRECT

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