

Data Sheet

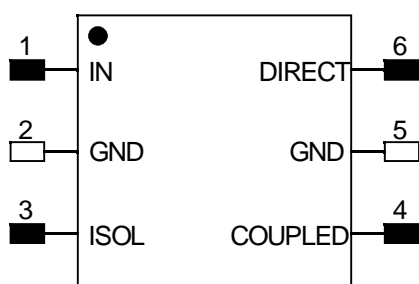
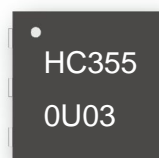
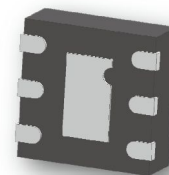
HC3550U03-060

90 Degree Hybrid
3.30 GHz-3.80 GHz



Features

- Small Size (2x2mm)
- 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



TOP VIEW

Applications

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

Notes:

- 1.Require to add Capacitors of DC Blocker between Pins(with black color) and external circuit to prevent DC signal entry to guranteeparts normal work.
- 2.This part has passed through 100% RF test.

Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	3300		3800	MHz
Insertion Loss (Above 3dB)	I_L		0.40	0.55	dB
Isolation	Isol	16	20		dB
Phase balance	\varnothing_{bal}		6.0	9.0	deg
Amplitude balance	A_{bal}		0.4	0.65	dB
Return Loss	R_L	14	18		dB

Yantel Corporation

Add: 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

Rev A3

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

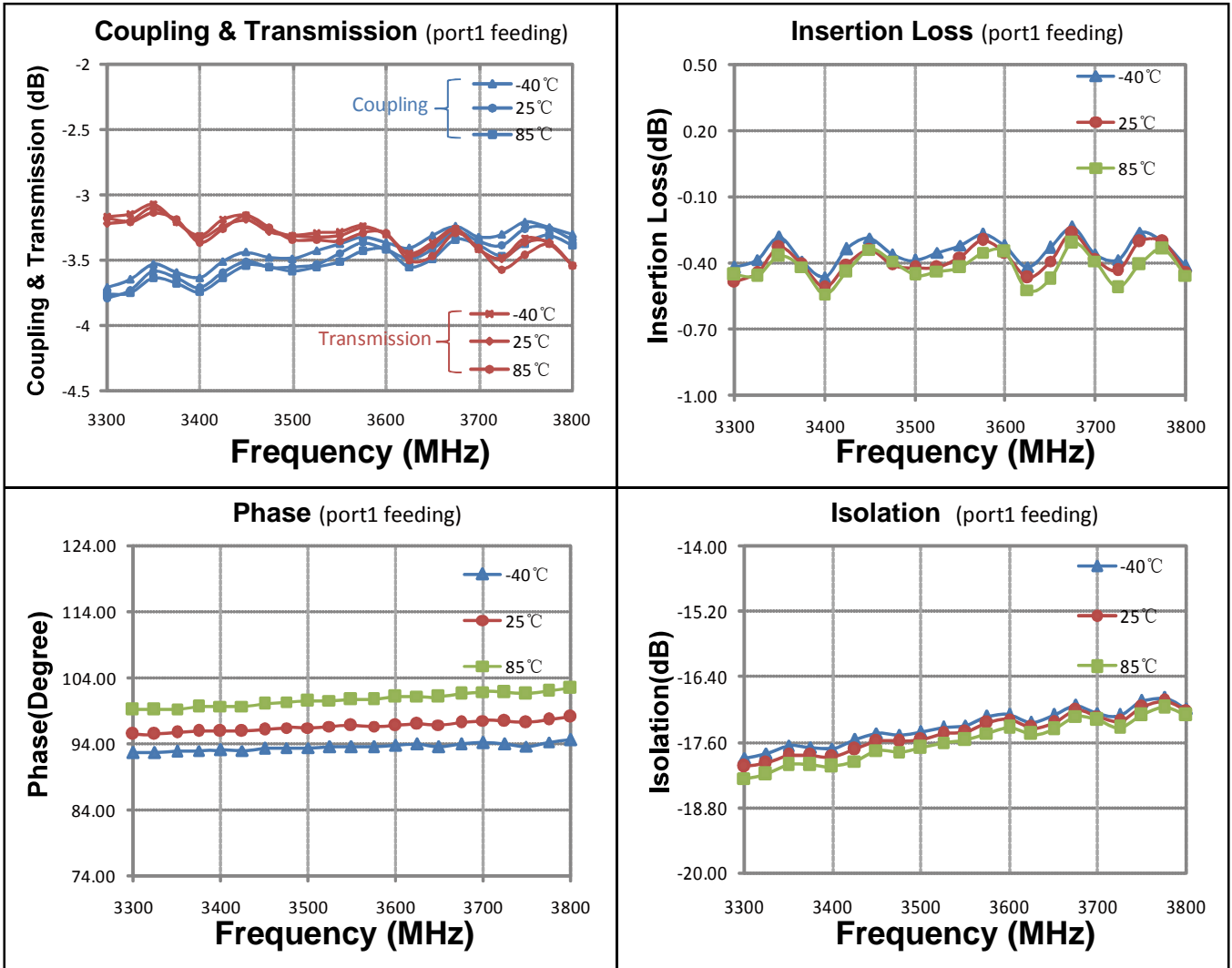
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Typical Performance (-40°C, 25°C, 85°C: 3300-3800 MHz)



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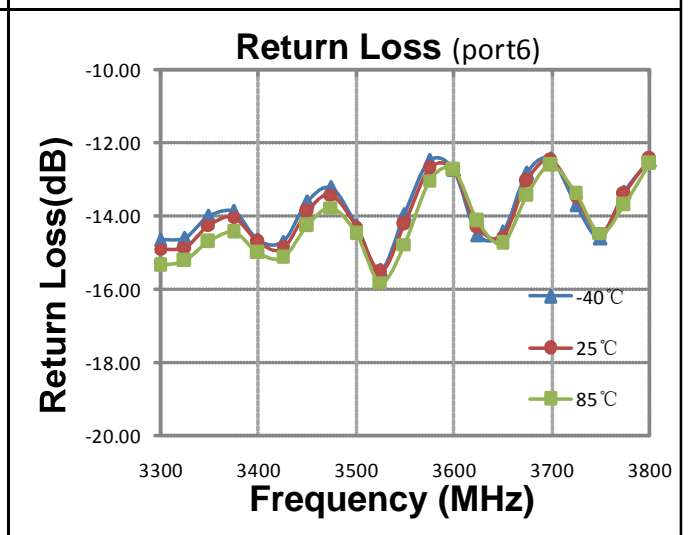
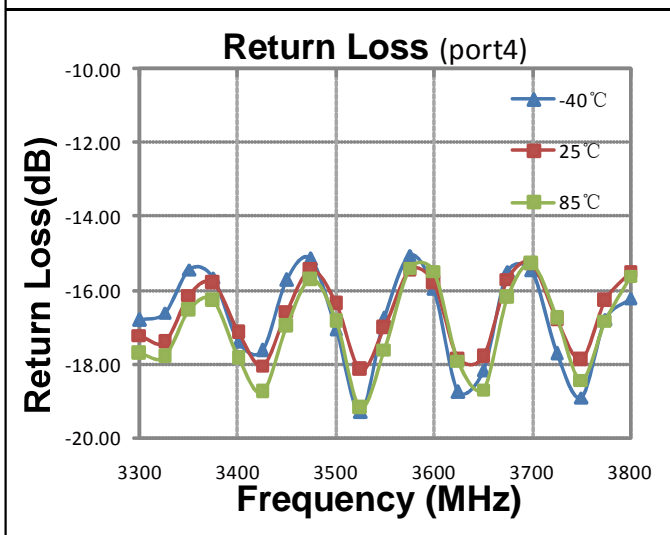
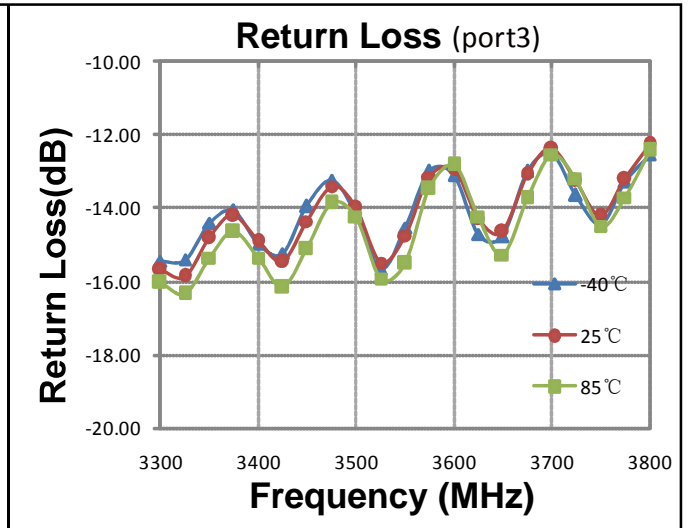
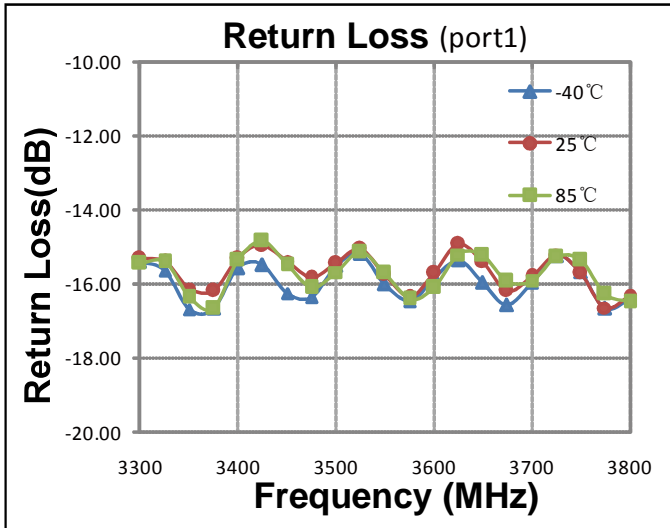
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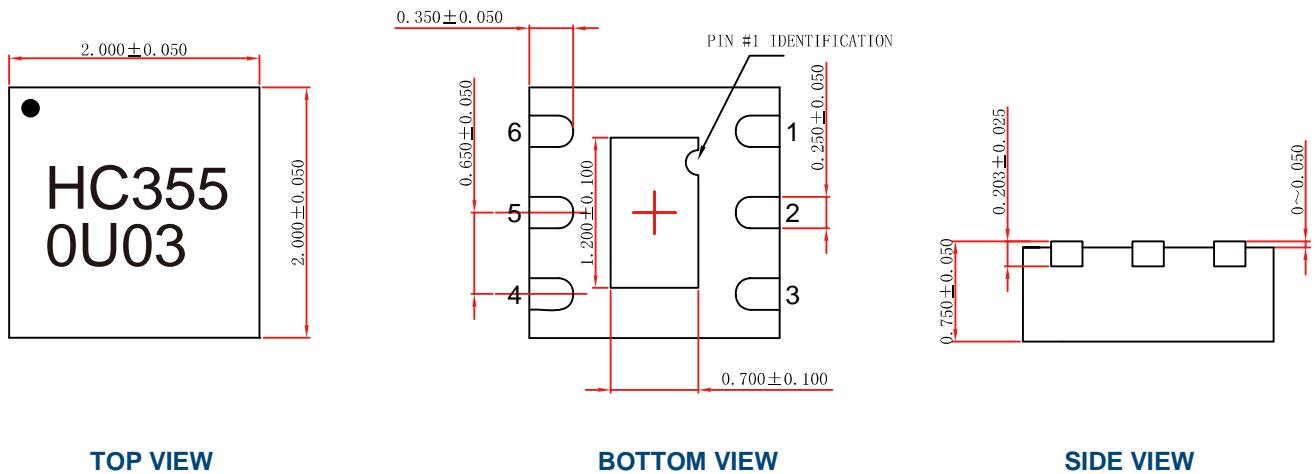
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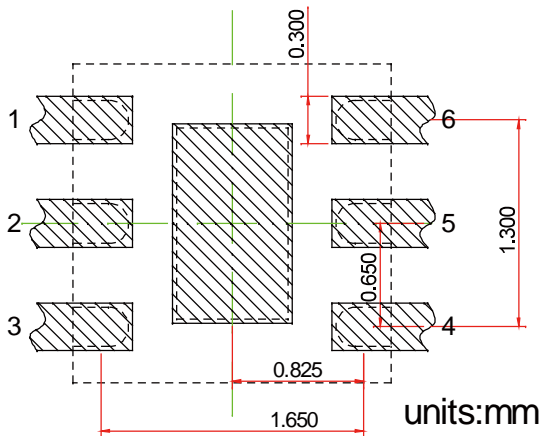
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Outline Drawing



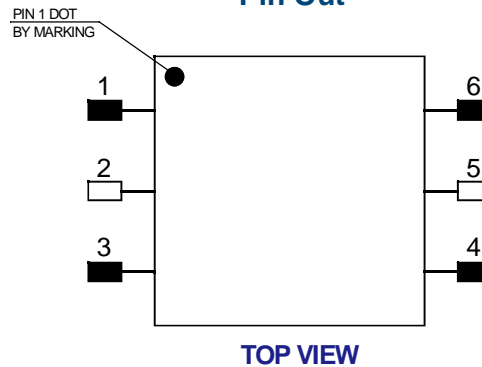
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



Notes:

1. Require to add Capacitors of DC Blocker between Pins (with black color) and external circuit to prevent DC signal entry to guarantee normal work.
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Pin #	Connection
1	IN
2	GND
3	ISOL
4	COUPLED
5	GND
6	DIRECT

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