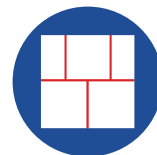


Data Sheet

DC1800U05-050

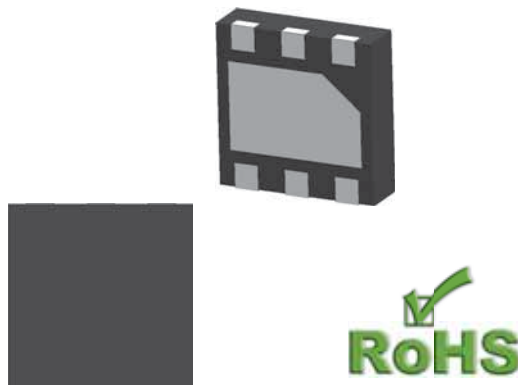
Directional Coupler
1700 MHz-2200 MHz



Yantel
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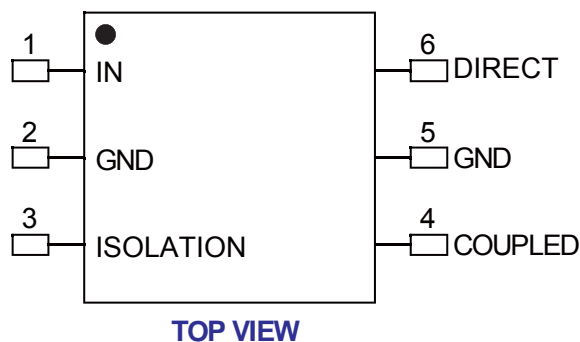
Features

- Small Size (2×2mm)
- Very Low Loss
- Excellent directivity
- Broad frequency coverage
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Power handling:5 watts



Applications

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



Electrical Specifications at 25° C

Part No.	Freq. Range (MHz) FL~FU	Power (W)	Size LxW (mm)	Coupling (dB)	Insertion loss (dB)	VSWR(:1)	Directivity (dB)
DC1800U05-050	1700~1850	5	2X2	4.5~5.0	0.22	1.11	17.7
	1850~2050			3.9~4.5	0.23	1.14	18.3
	2050~2200			3.6~3.9	0.25	1.16	19.0

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

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

Data Sheet

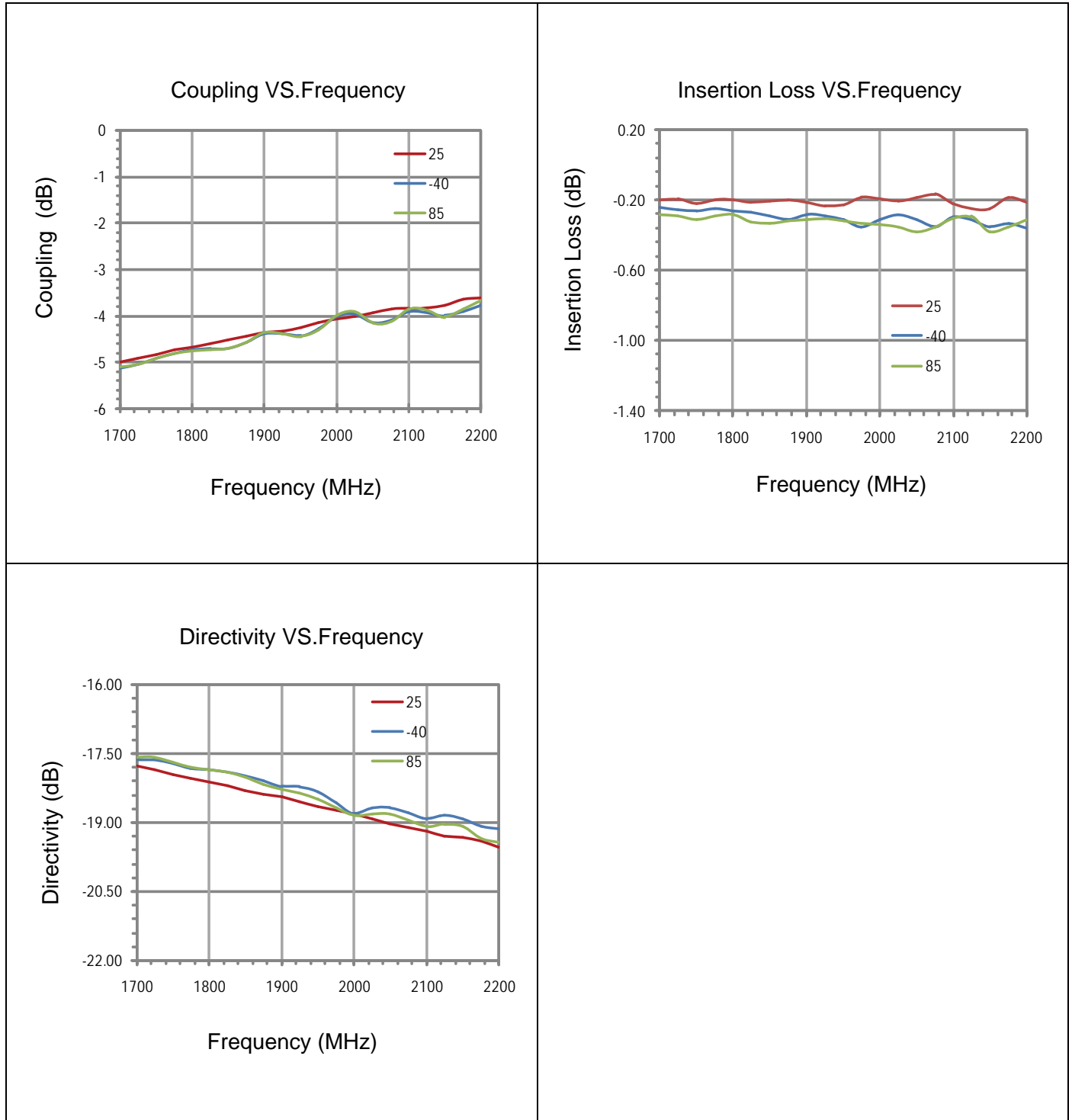
DC1800U05-050

Directional Coupler

1700 MHz-2200 MHz



Typical Performance (-40°C, 25°C, 85°C: 1700-2200 MHz)



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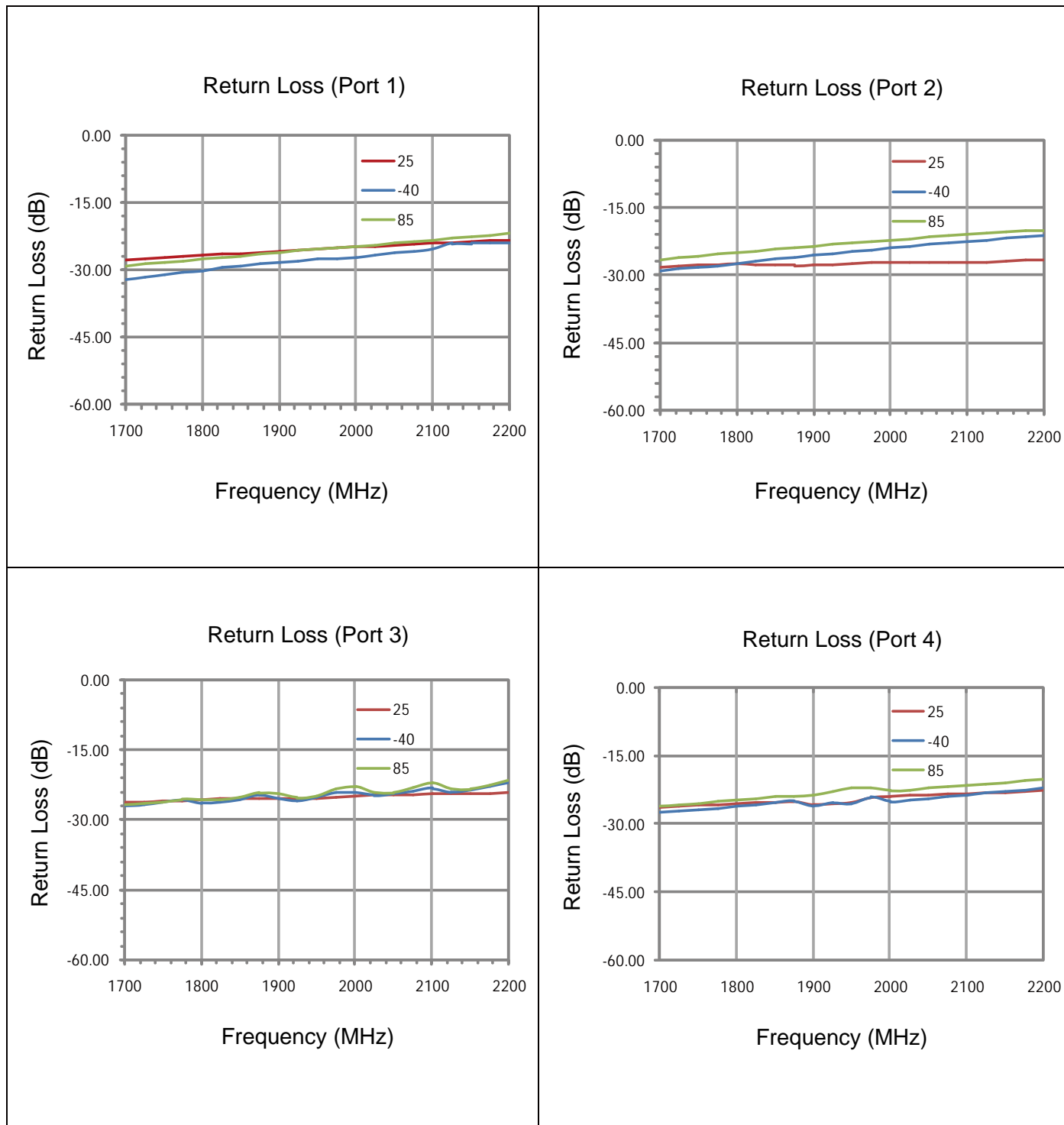
DC1800U05-050

Directional Coupler

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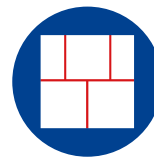
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Data Sheet

DC1800U05-050

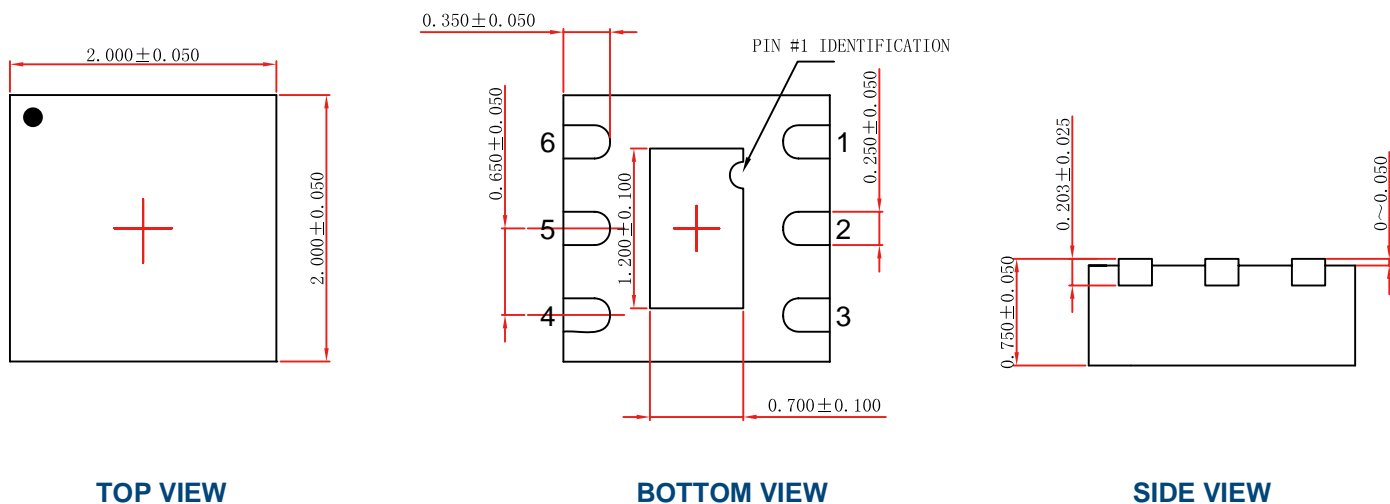
Directional Coupler

1700 MHz-2200 MHz

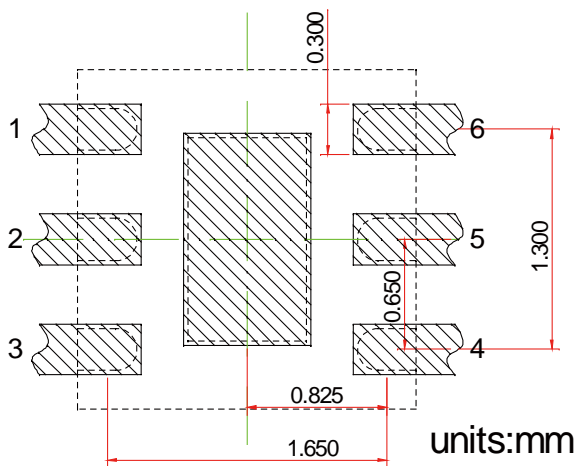


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Outline Drawing



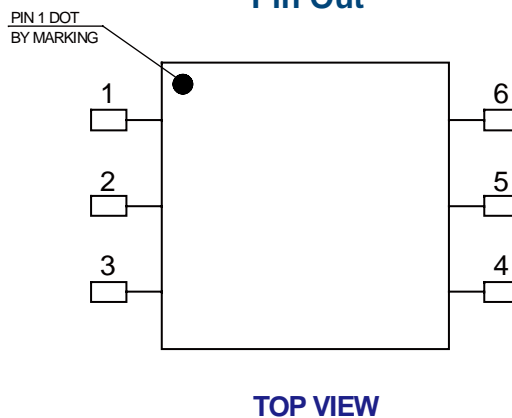
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



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

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