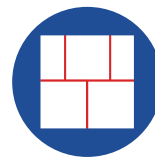


Data Sheet

DC0900U10-053

Directional Coupler

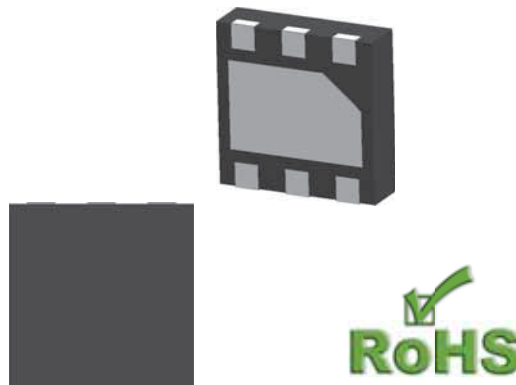
750 MHz-1050 MHz



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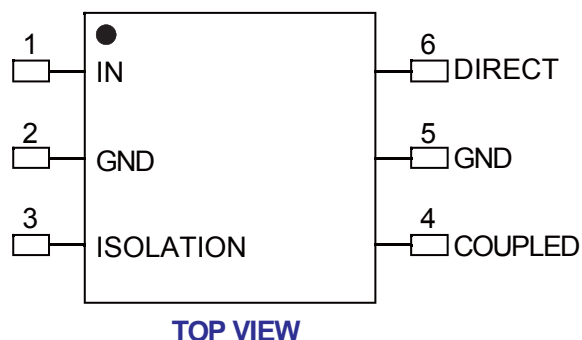
Features

- 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)
DC0900U10-053	750~800	5	2X2	10.9~10.5	0.16	1.05	18.6
	800~850			10.5~10	0.18	1.05	18.7
	850~900			10~9.6	0.16	1.05	19
	900~950			9.6~9.2	0.17	1.05	19.1
	950~1000			9.2~8.7	0.17	1.05	19.2
	1000~1050			8.7~8.4	0.18	1.05	19.3

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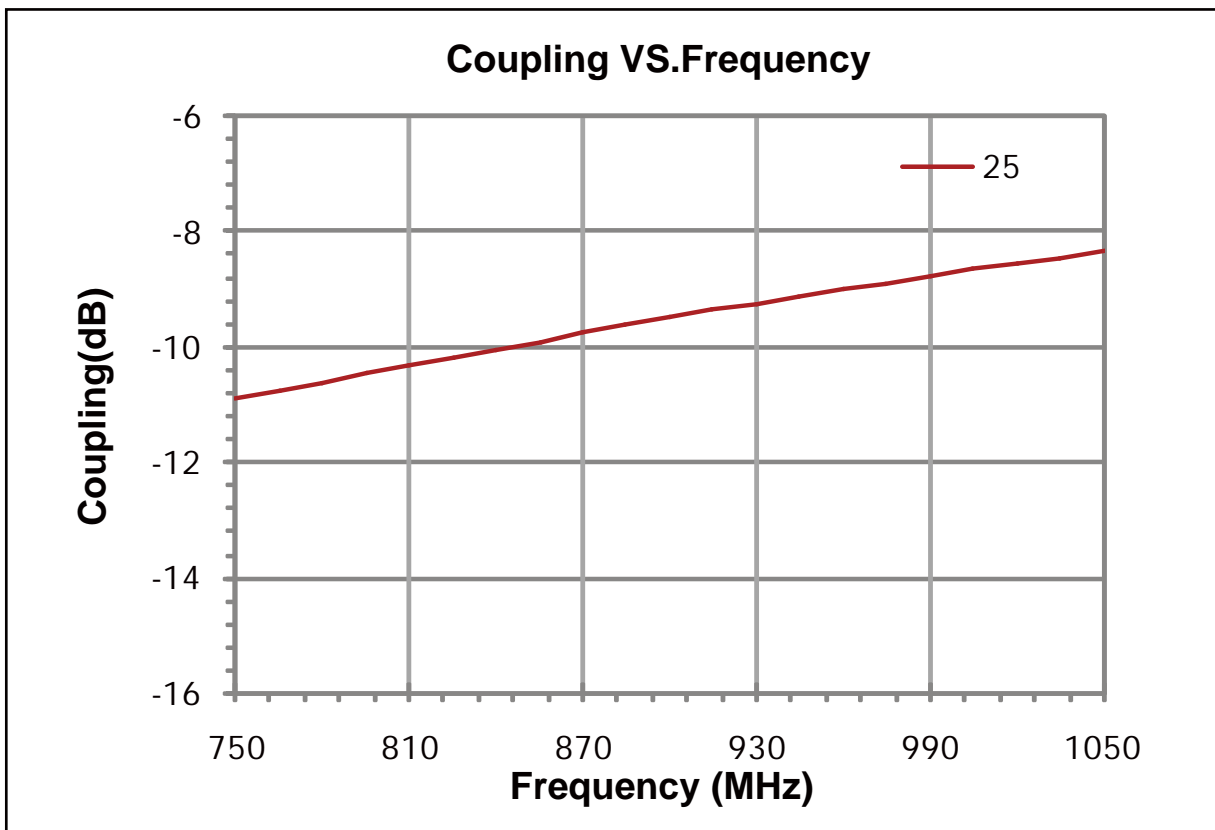
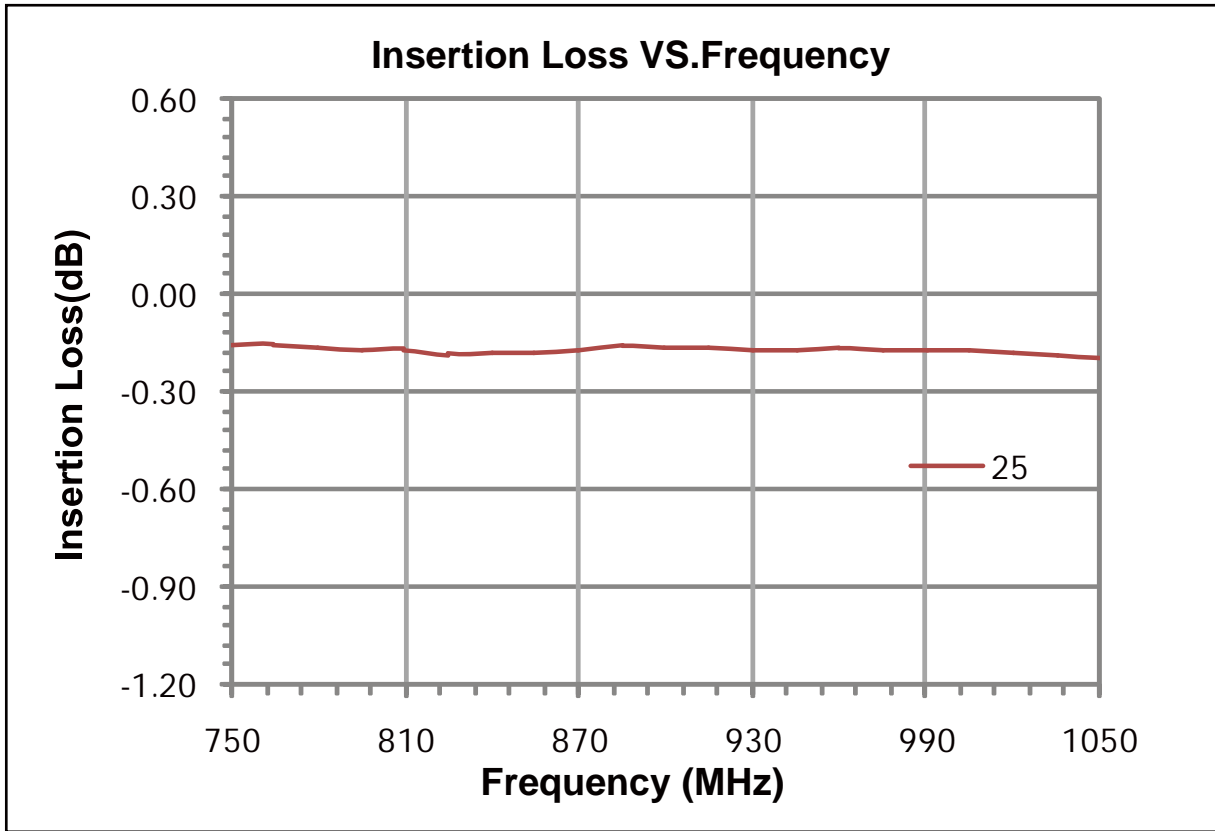
Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

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

Data Sheet

DC0900U10-053

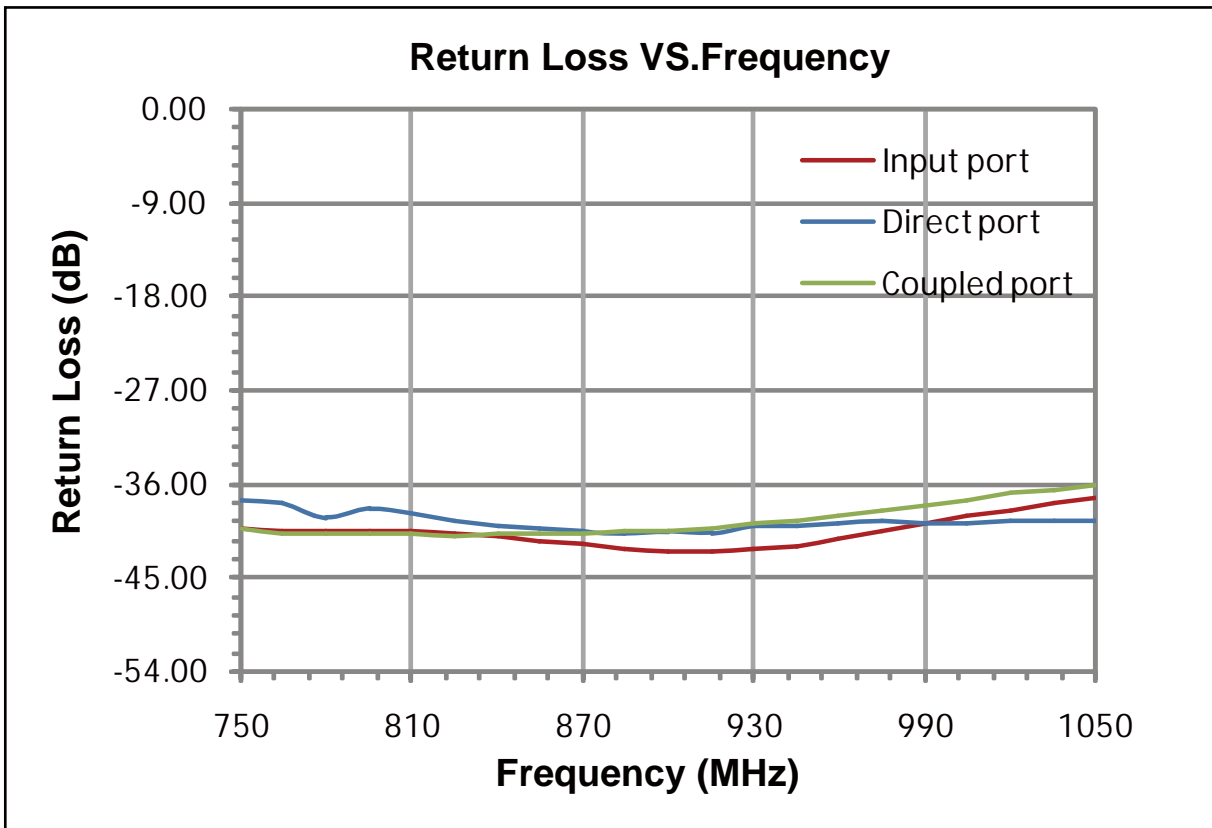
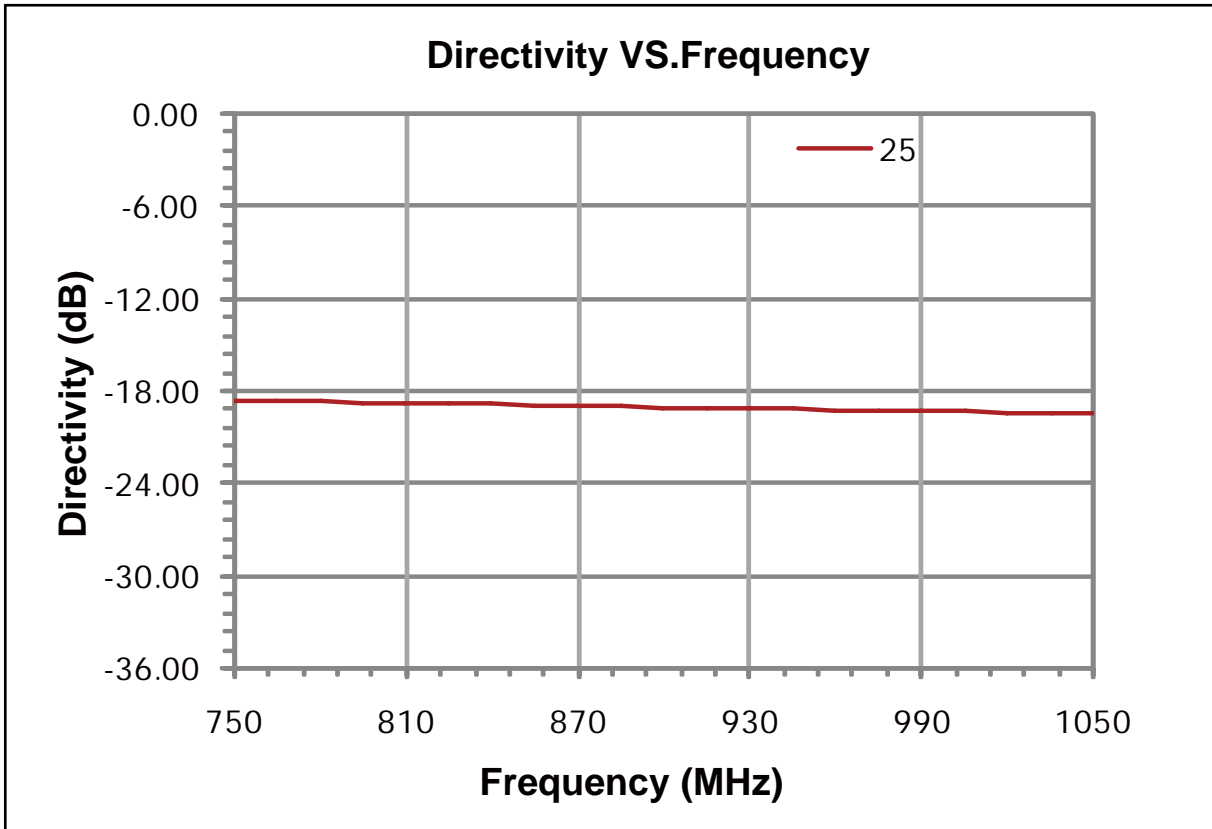
Directional Coupler
750 MHz-1050 MHz



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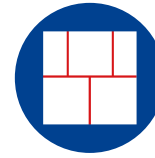
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Data Sheet

DC0900U10-053

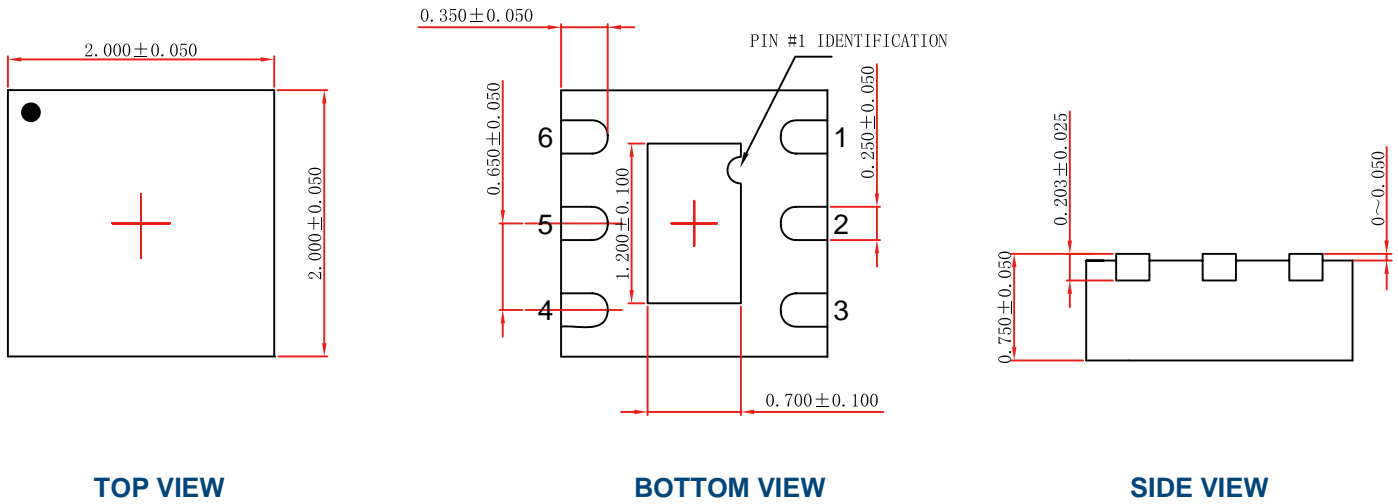
Directional Coupler

750 MHz-1050 MHz



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Outline Drawing

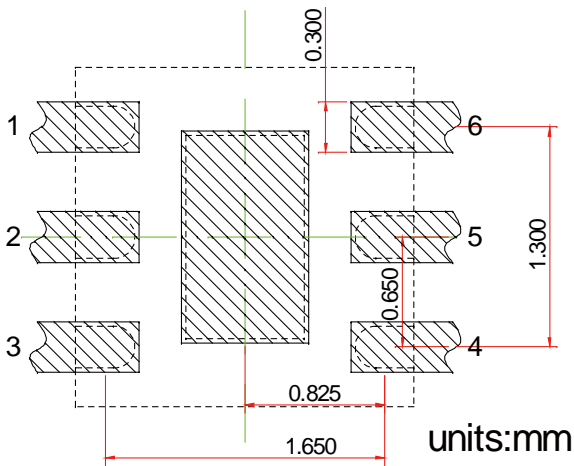


TOP VIEW

BOTTOM VIEW

SIDE VIEW

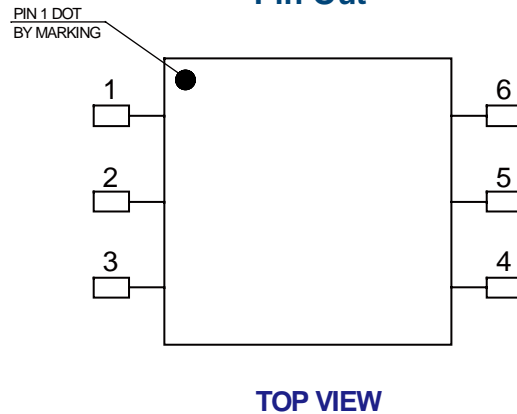
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



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

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