

# Data Sheet

## DC1800U10-123

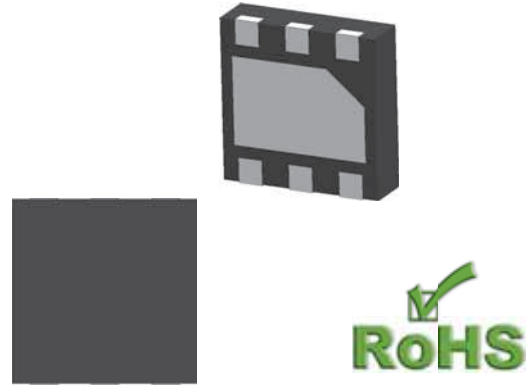
### Directional Coupler

### 1700 MHz-2200 MHz



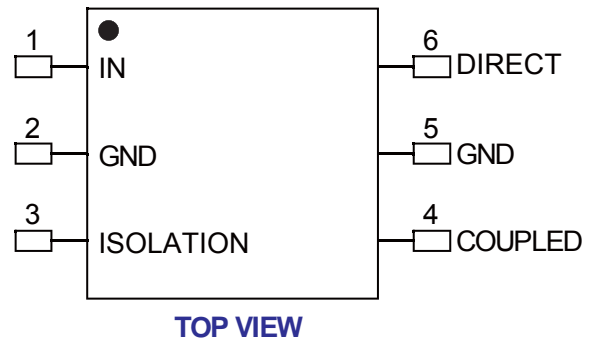
### Features

- Small Size (2×2mm)
- Very Low Loss
- Excellent directivity
- Broad frequency coverage
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Power handling:4 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)
				Min	Typ	Max		Min	Typ	Max	
DC1800U10-123	1700-2200	4	2X2	11.08	10.1	9.27	0.25	1.01	1.04	1.06	20
	1805-1880			10.63	10.5	10.35	0.26	1.02	1.04	1.05	20
	1930-1990			10.16	10	9.95	0.26	1.01	1.04	1.06	22
	2110-2170			9.55	9.5	9.36	0.29	1.02	1.03	1.05	24

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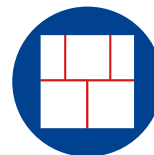
Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China  
 Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

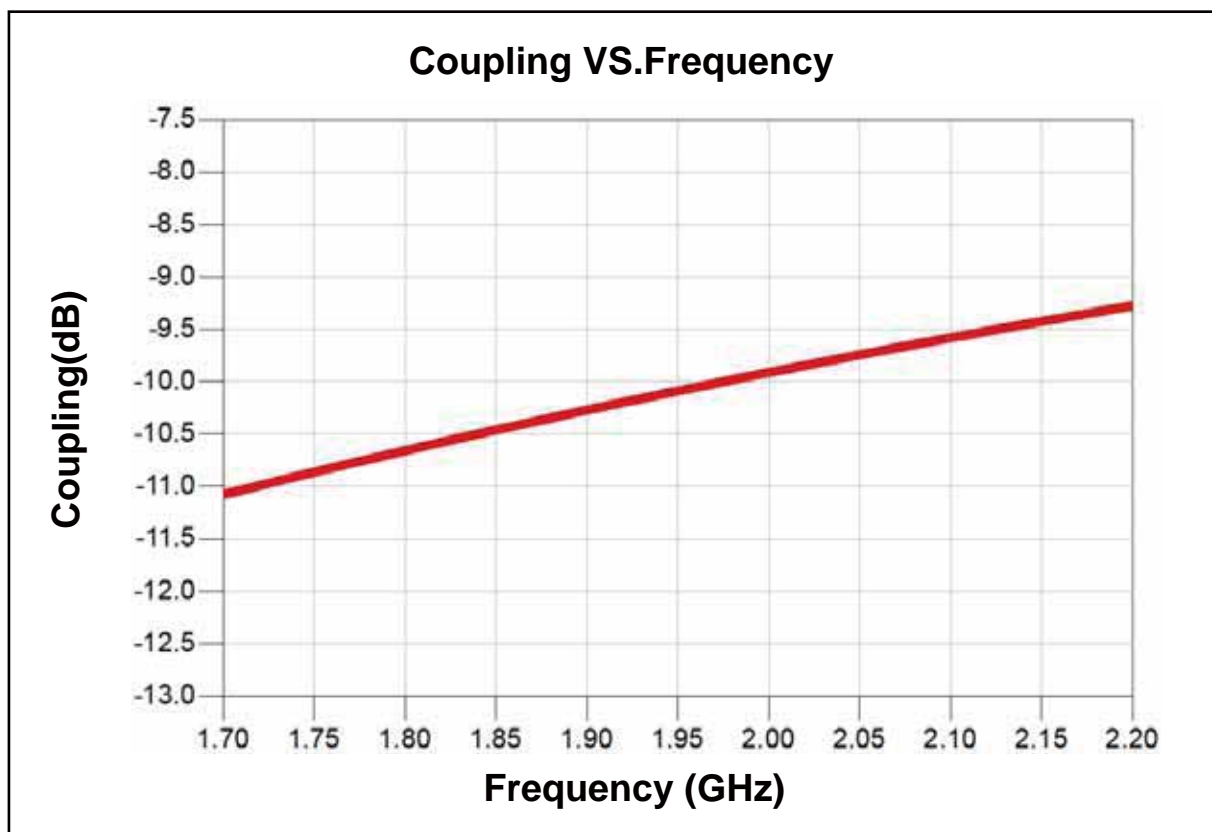
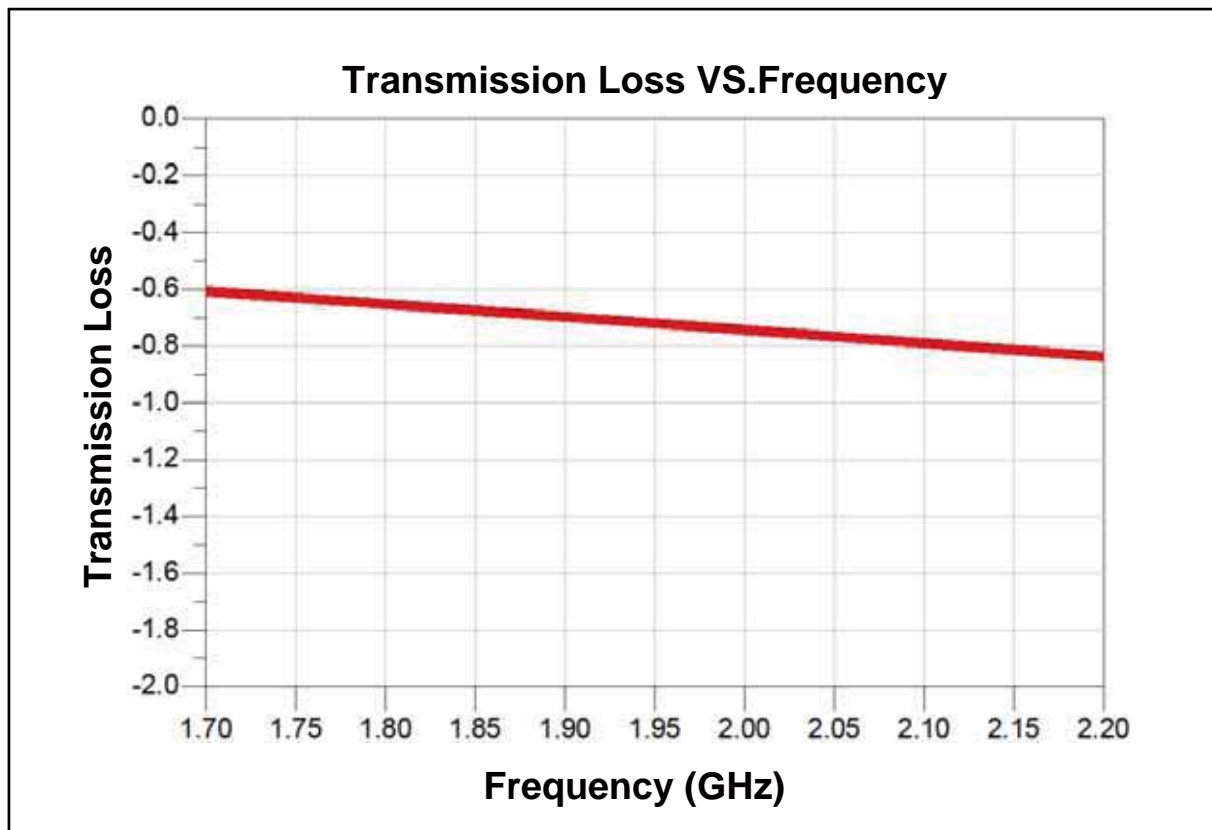
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Directional Coupler  
1700 MHz-2200 MHz



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*Key Patents Lead Microwave Tech*



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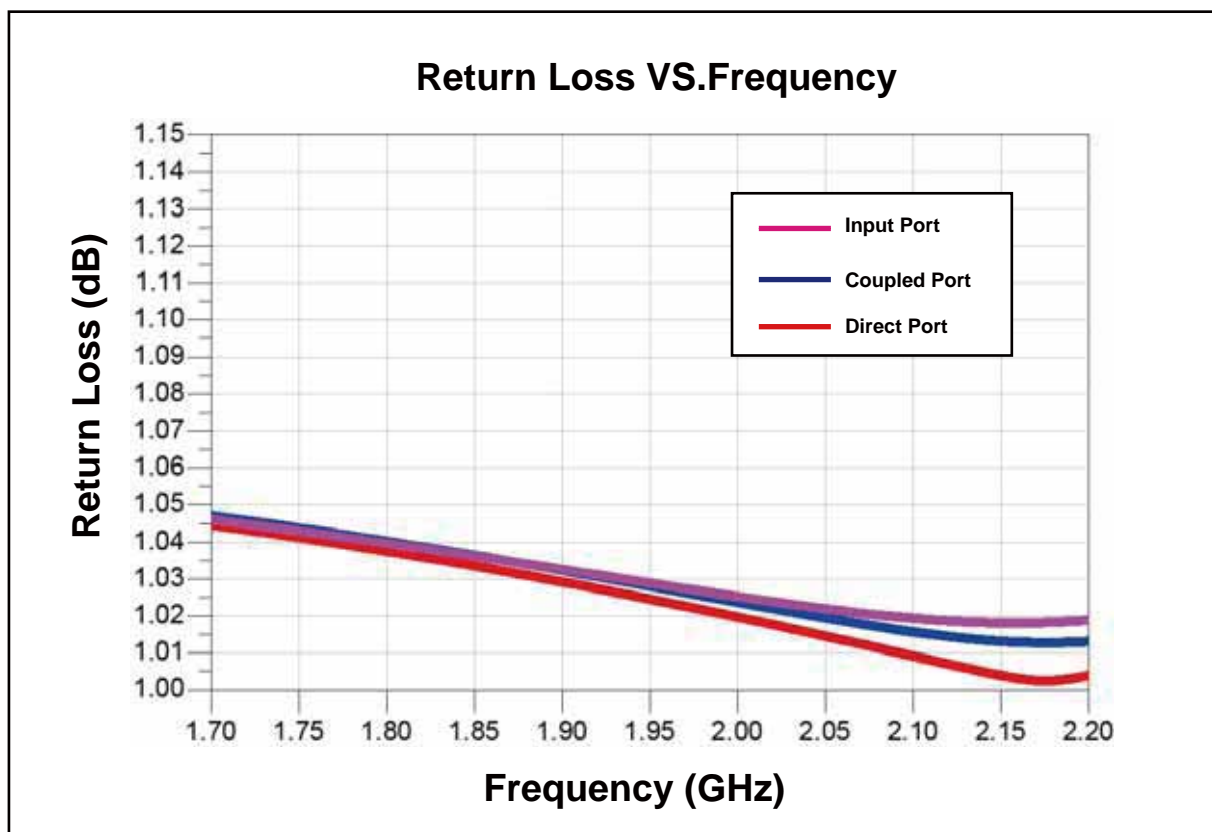
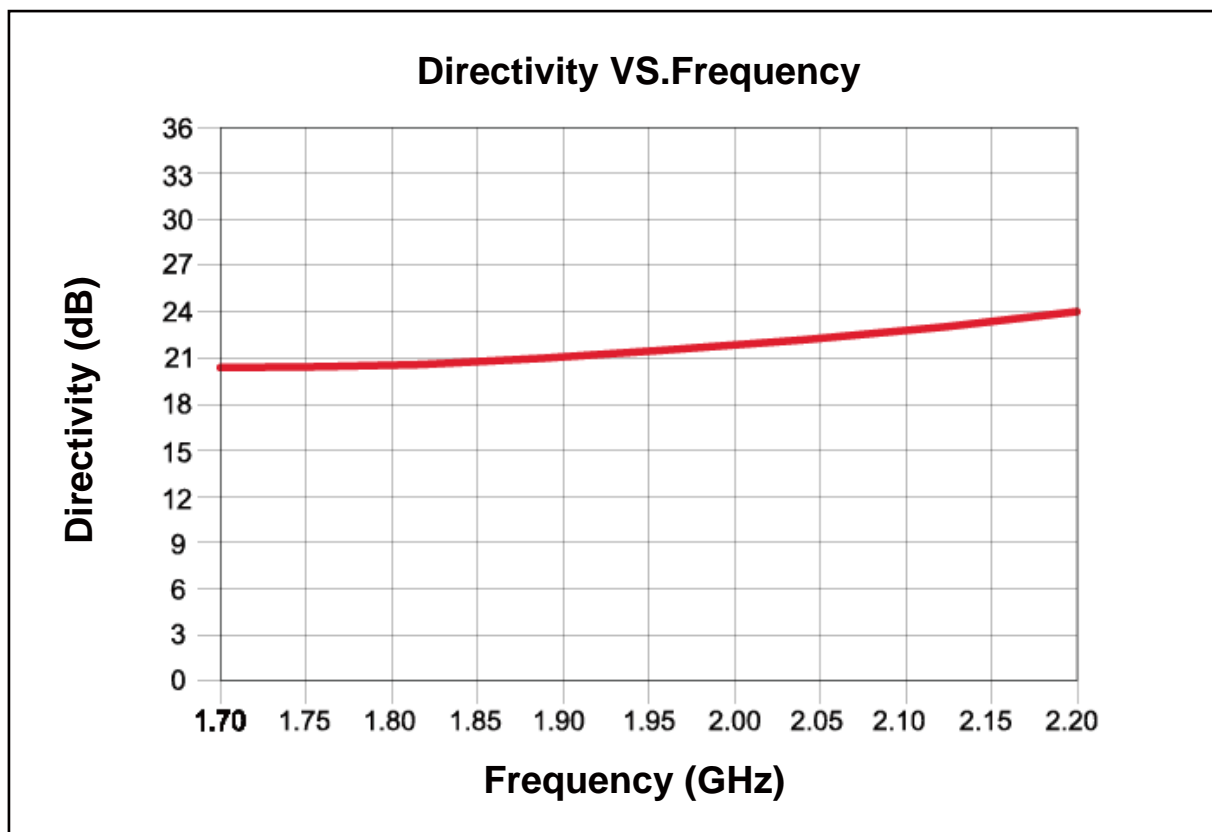
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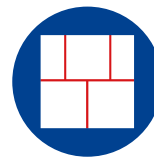
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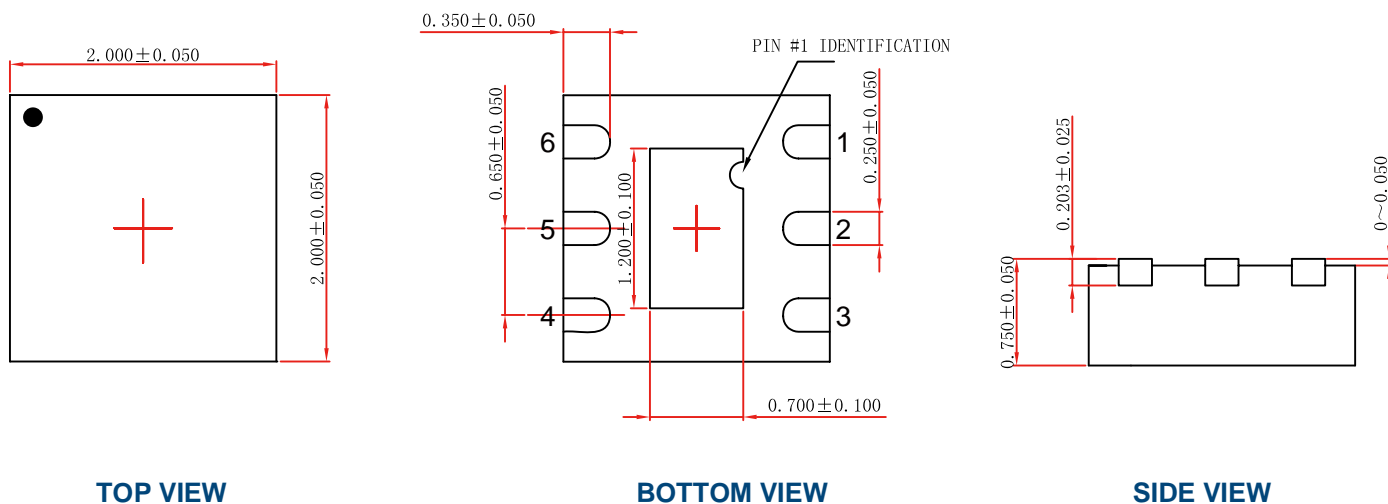
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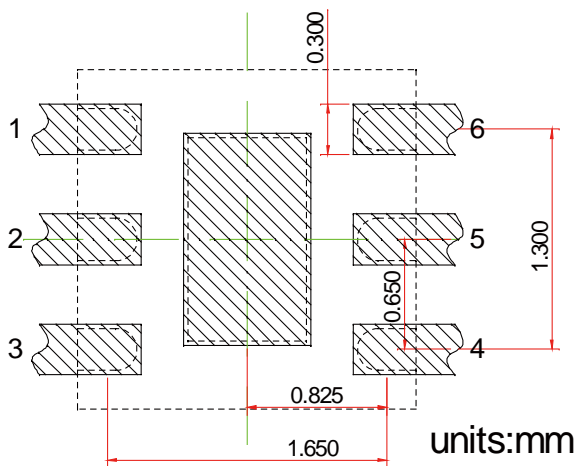


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## Outline Drawing



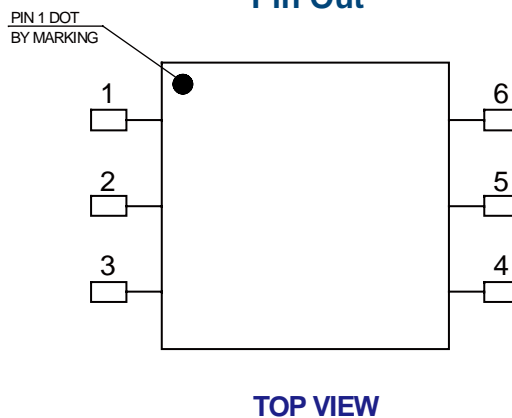
## Land Pattern



## 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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