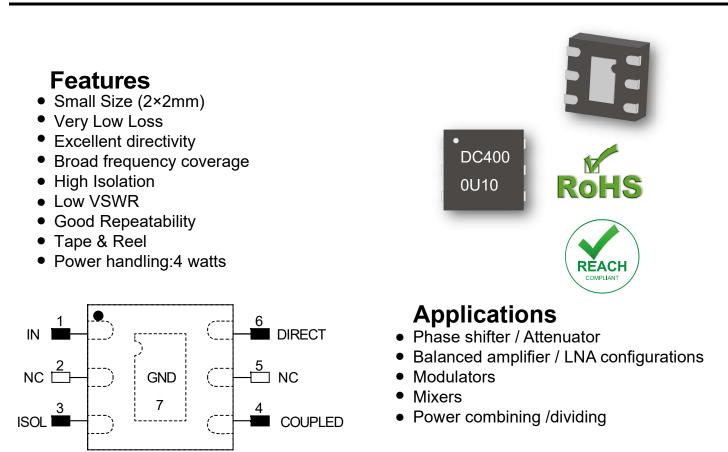
Data Sheet DC4000U10-120 Directional Coupler

700 MHz-4.0 GHz



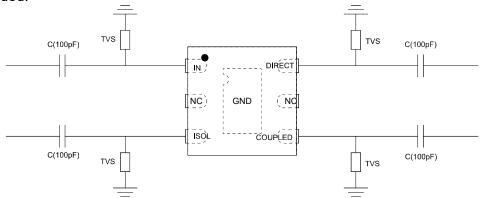


Notes:

1. This part has passed through 100% RF test.

TOP VIEW

- 2. Suggest to add Capacitors of DC Blocker between Pins(with black color) and external circuit to prevent DC signal entry to guarantee parts normal work.
- Suggest to add a TVS Diode in parallel between Eletrode (with black color) and Capacitor of DC Blocker to provide ESD protection for the product. TVS Diode use ON Semiconductor's ESD9101 is recommended.



ESD Rating

Human Body Model (HBM): \leq 650V in accordance with ANSI/ESD STM 5.1 - 2001 Machine Model (MM): \leq 50V in accordance with ANSI/ESD STM 5.2 - 1999

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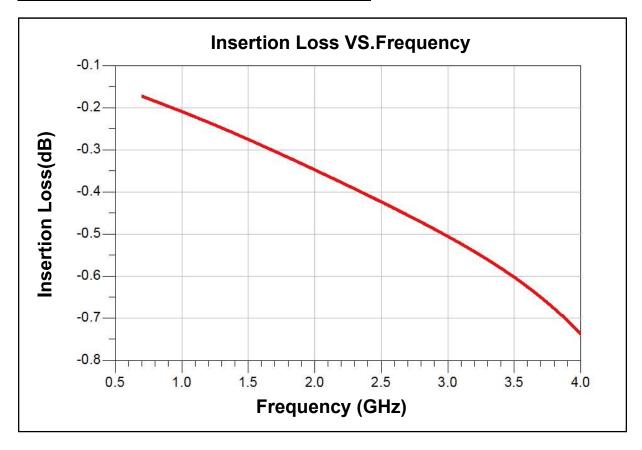
Add: 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China Tel: 86-755-8355-1886 Fax: 86-755-8355-2533 For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com



Electrical Specifications at 25° C

Part No.	Freq.	Power	Size	Coupling	Insertion	VSWR(:1)	Directivity
	Range	(W)	LxW	(dB)	loss (dB)		(dB)
	(MHz)		(mm)				
	FL~FU						
DC4000U10-120	700~850	4	2X2	26.2	0.21	1.07	20.1
	850~960			24.3	0.21	1.07	19.9
	960~1400			21.1	0.27	1.09	19.1
	1400~1700			19.6	0.31	1.09	19
	1700~2000			18.4	0.35	1.09	19
	2000~2700			15.3	0.46	1.07	19
	2700~4000			12.3	0.85	1.43	13.8

Typical Performance (-40°C, 25°C, 85°C: 700-4000 MHz)

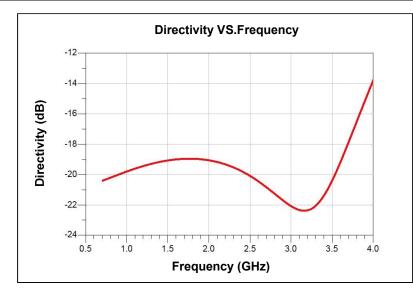


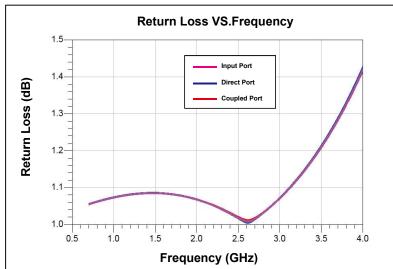
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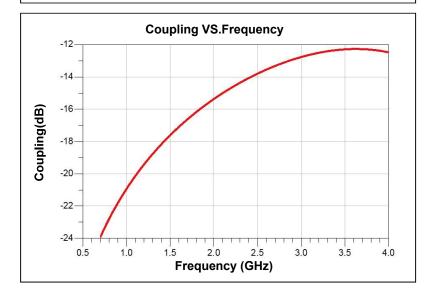
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Data Sheet DC4000U10-120 Directional Coupler 700 MHz-4.0 GHz









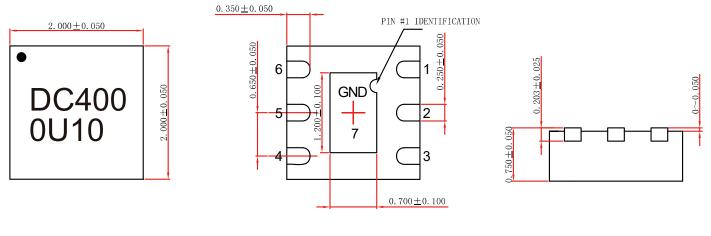
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Data Sheet DC4000U10-120 Directional Coupler 700 MHz-4.0 GHz



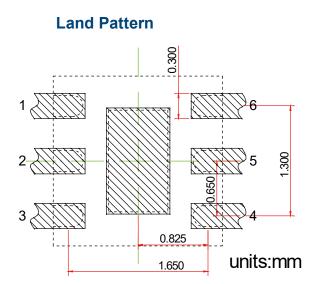
Outline Drawing



TOP VIEW

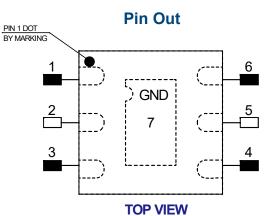
BOTTOM VIEW

SIDE VIEW



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters



Notes:

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

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

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