

Data Sheet

PD0900U03S

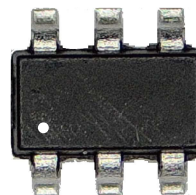
Power Divider/Combiner

2-Way 0° 50Ω 640-1100 MHz



Features

- Wide bandwidth
- Good isolation, 20 dB typ.
- Excellent VSWR, 1.25:1 typ.
- Excellent power handling, 1.5W
- Small size
- Aqueous washable
- Low VSWR
- Good Repeatability
- Tape & Reel
- Operating Temperature -40°C~85°C
- Power Input (as a splitter) 1.5W max.
Internal Dissipation 0.75W max.



Applications

- cellular
- GSM
- Land Mobile
- ISM
- PDC

Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	640		1100	MHz
Insertion Loss (Above 3dB)	I _L		0.4	1.0	dB
Isolation	I _{sol}	10	20		dB
Phase balance	∅ _{bal}		1.5	2.0	deg
Amplitude balance	A _{bal}		±0.05	±0.10	dB
Input VSWR			1.15	1.25	
Output VSWR			1.15	1.25	

Yantel Corporation

Add: 3rd Floor, Building3, Southern District 2 Of Zhongguanhonghualing Industrial Park ,Xili, Nanshan, Shenzhen, China

Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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

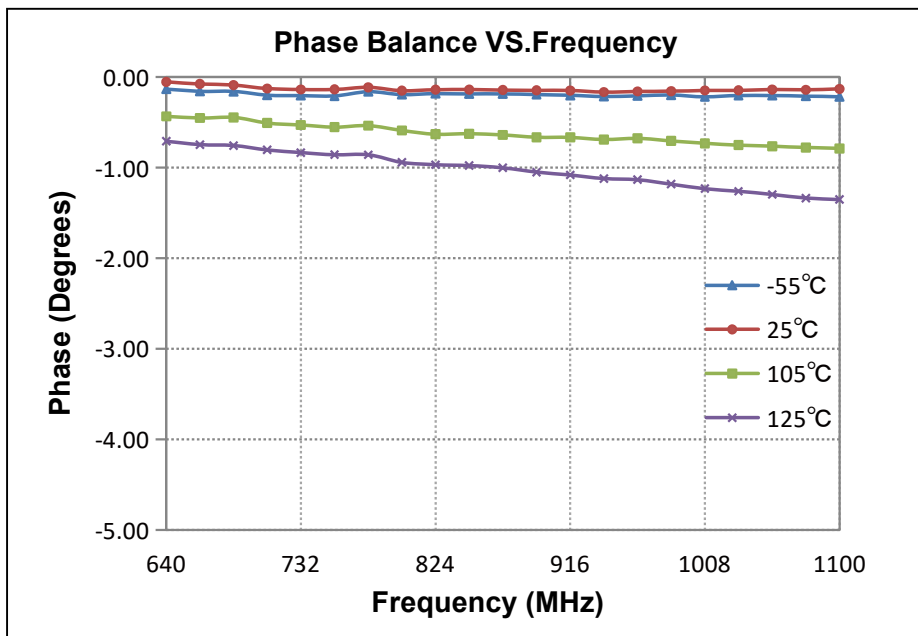
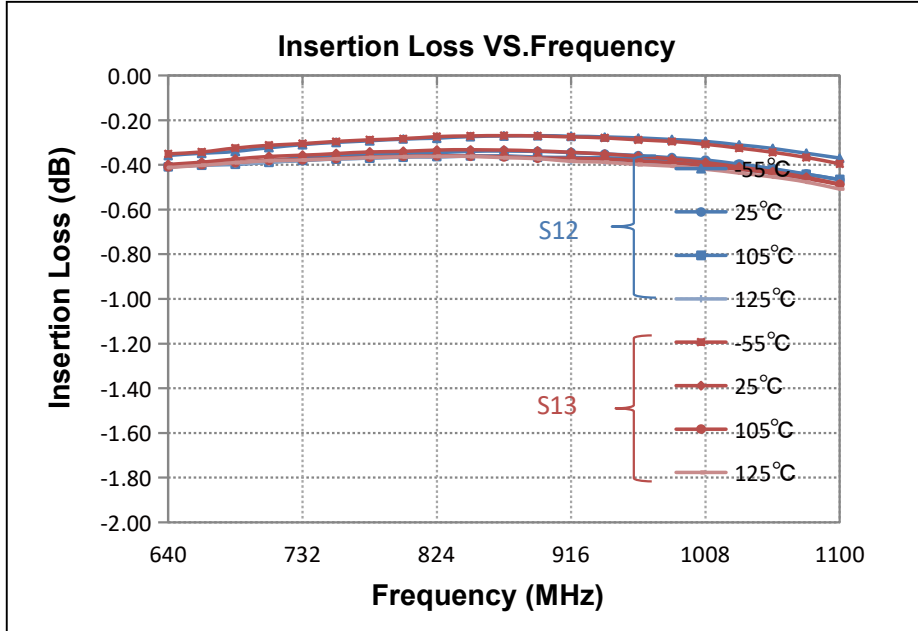
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Typical Performance (-55°C, 25°C, 105°C, 125°C: 640-1100 MHz)



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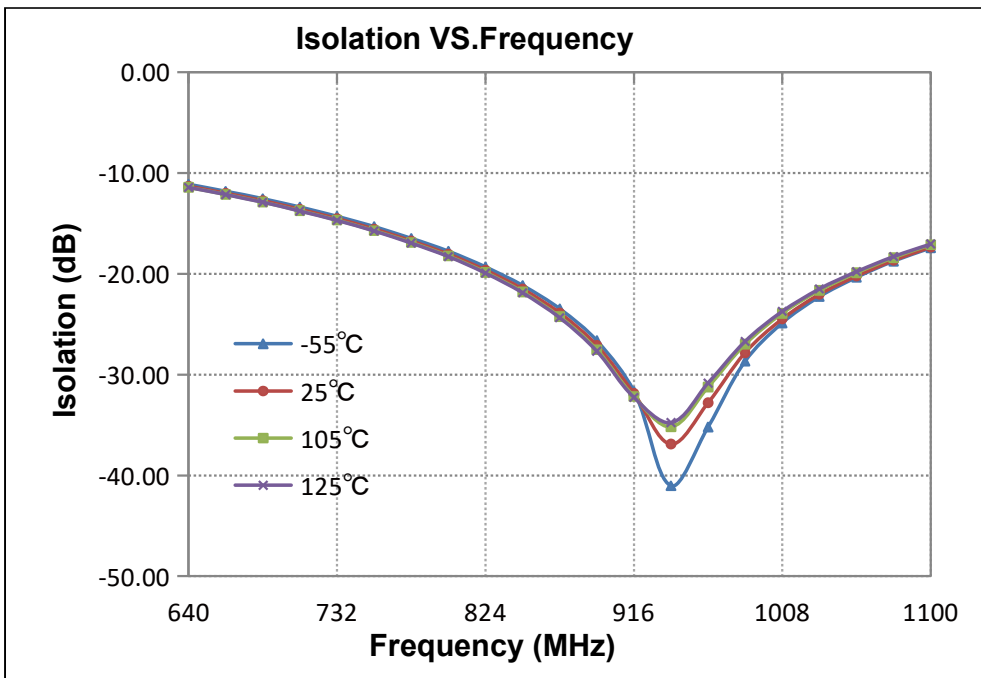
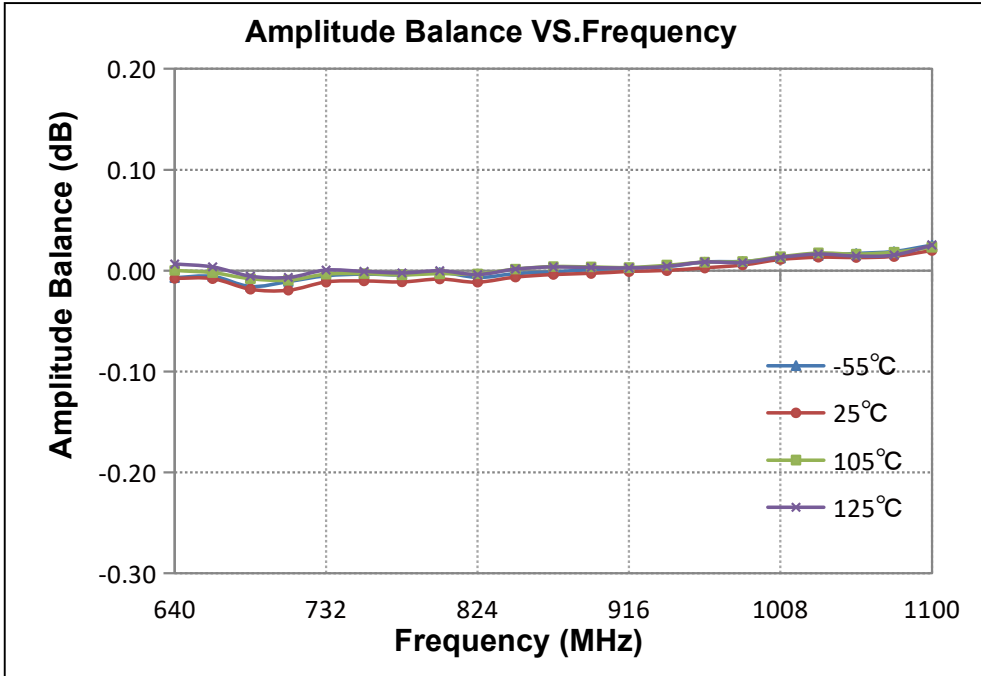
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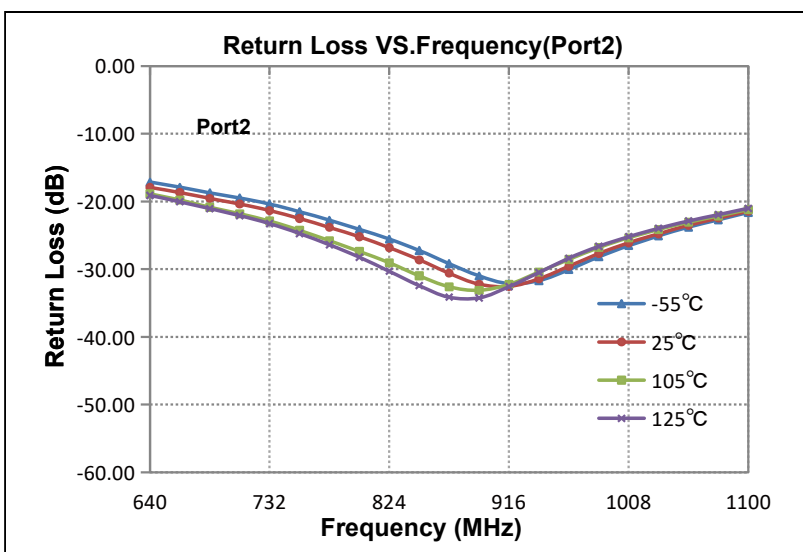
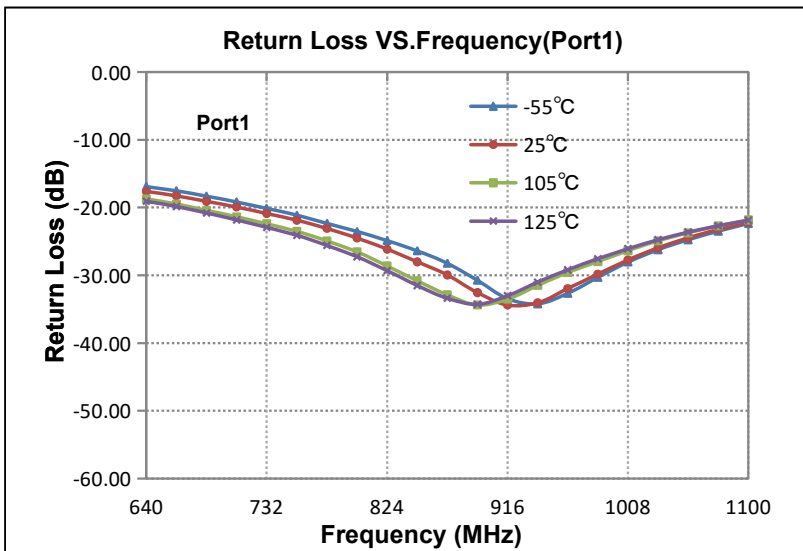
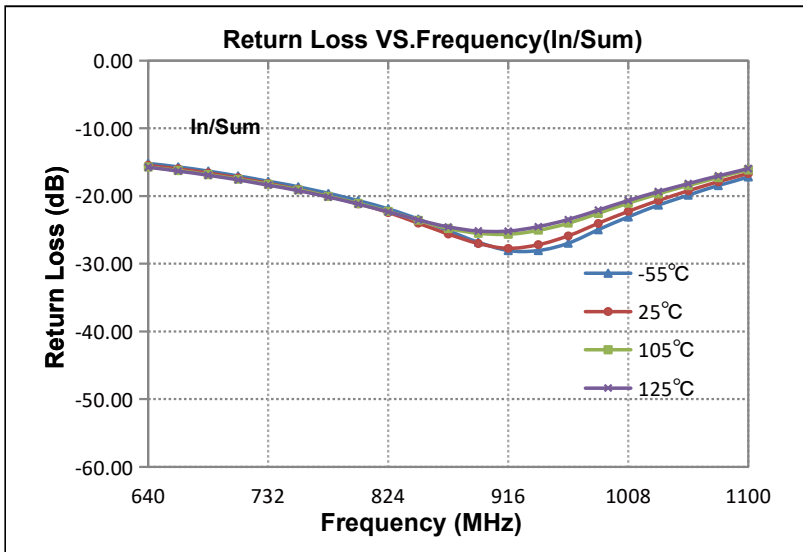
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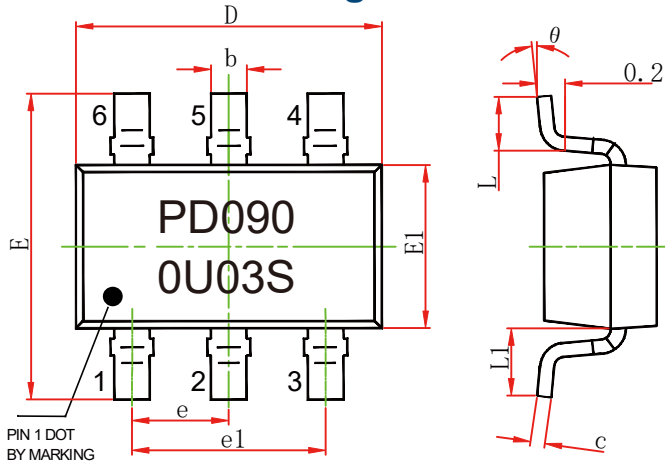
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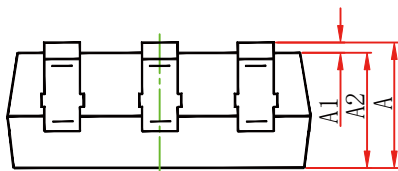
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Outline Drawing



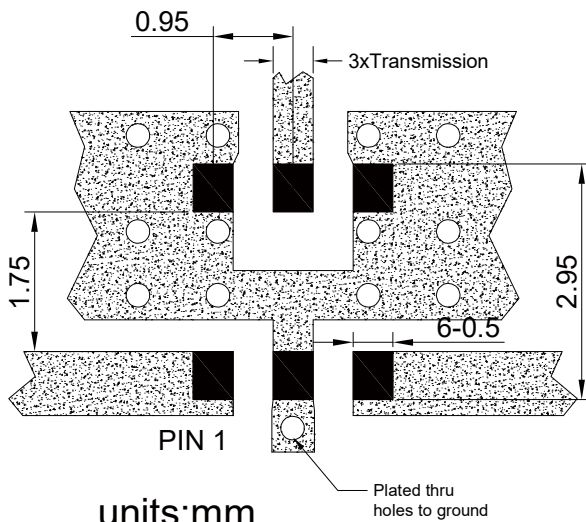
TOP VIEW



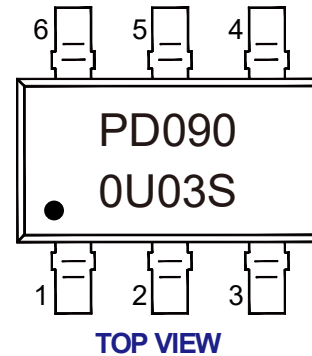
SIDE VIEW

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	1.050	1.250	0.041	0.049
A1	0.000	0.100	0.000	0.004
A2	1.050	1.150	0.041	0.045
b	0.300	0.500	0.012	0.020
c	0.100	0.200	0.004	0.008
D	2.820	3.020	0.111	0.119
E1	1.500	1.700	0.059	0.067
E	2.650	2.950	0.104	0.116
e	0.950(BSC)		0.037(BSC)	
e1	1.800	2.000	0.071	0.079
L	0.300	0.600	0.012	0.024
L1	0.600REF.		0.024REF.	
θ	0°	8°	0°	8°

Land Pattern



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 guranteeparts normal work.
2. This part has passed through 100% RF test.

Pin #	Connection
1	OUT1
2	GND
3	OUT2
4	GND
5	IN
6	GND

Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

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