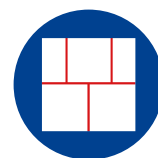


Data Sheet

PD0900U03-070

Power Divider/Combiner

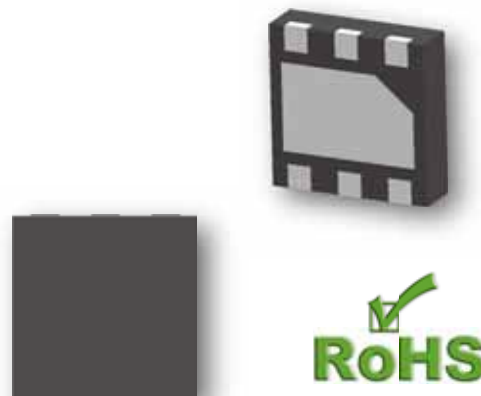
2-Way 0° 50Ω 800-1000 MHz



Yantel
Key Patents Lead Microwave Tech

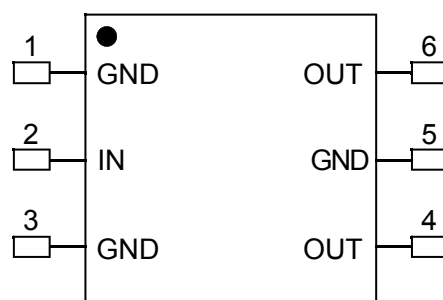
Features

- Small Size (2×2mm DFN package)
- No need external 100 Ω resistor
- Very Low Loss
- Tight Amplitude Balance
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Operating Temperature -40 ~85
- Power handling
 - 2 Watts as a divider
 - 1 Watts as a combiner



Applications

- Wireless communications
- WLAN / WiMax
- SAT Radio
- ISM band instrument
- Information System for Automotive Safety



TOP VIEW

Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	800		1000	MHz
Insertion Loss (Above 3dB)	I_L		0.35	0.42	dB
Isolation	Isol		20		dB
Phase balance	ϕ_{bal}		± 0.5		deg
Amplitude balance	A_{bal}		± 0.1		dB
Input VSWR			1.2		
Output VSWR			1.2		

Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

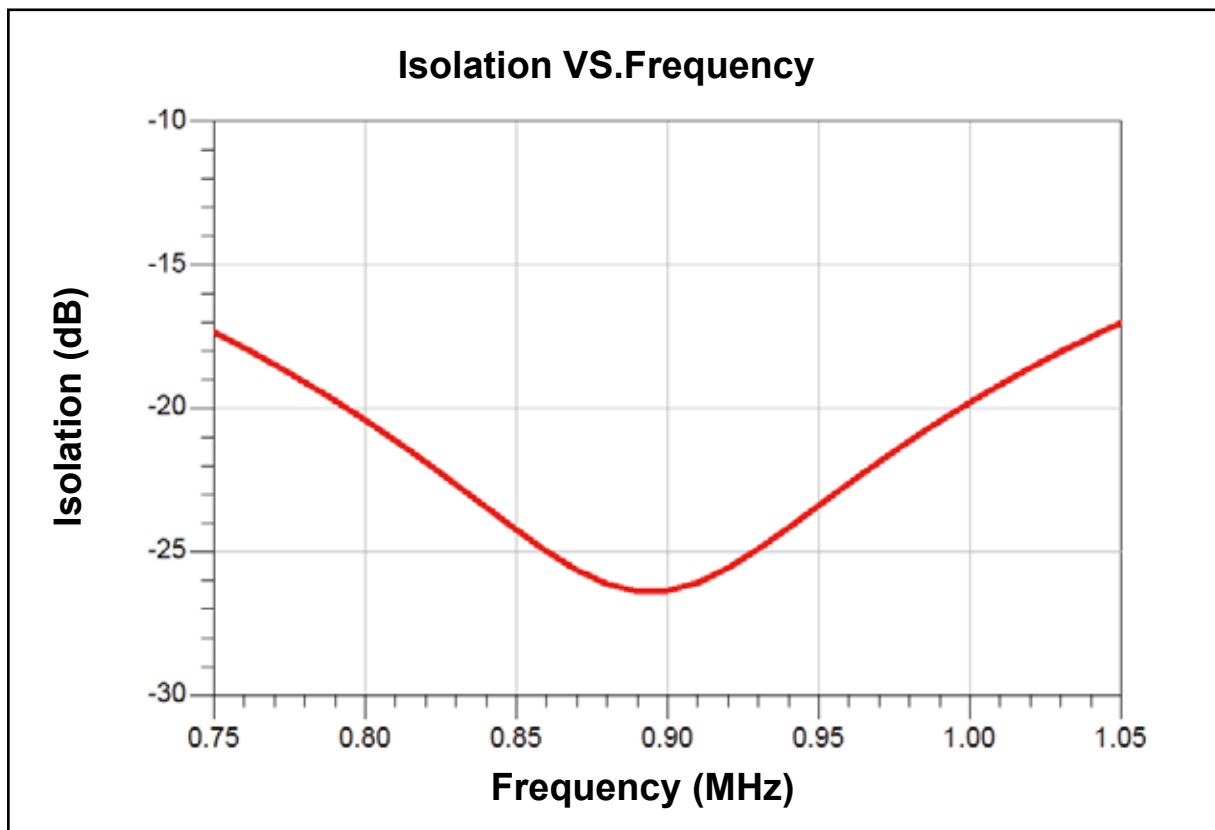
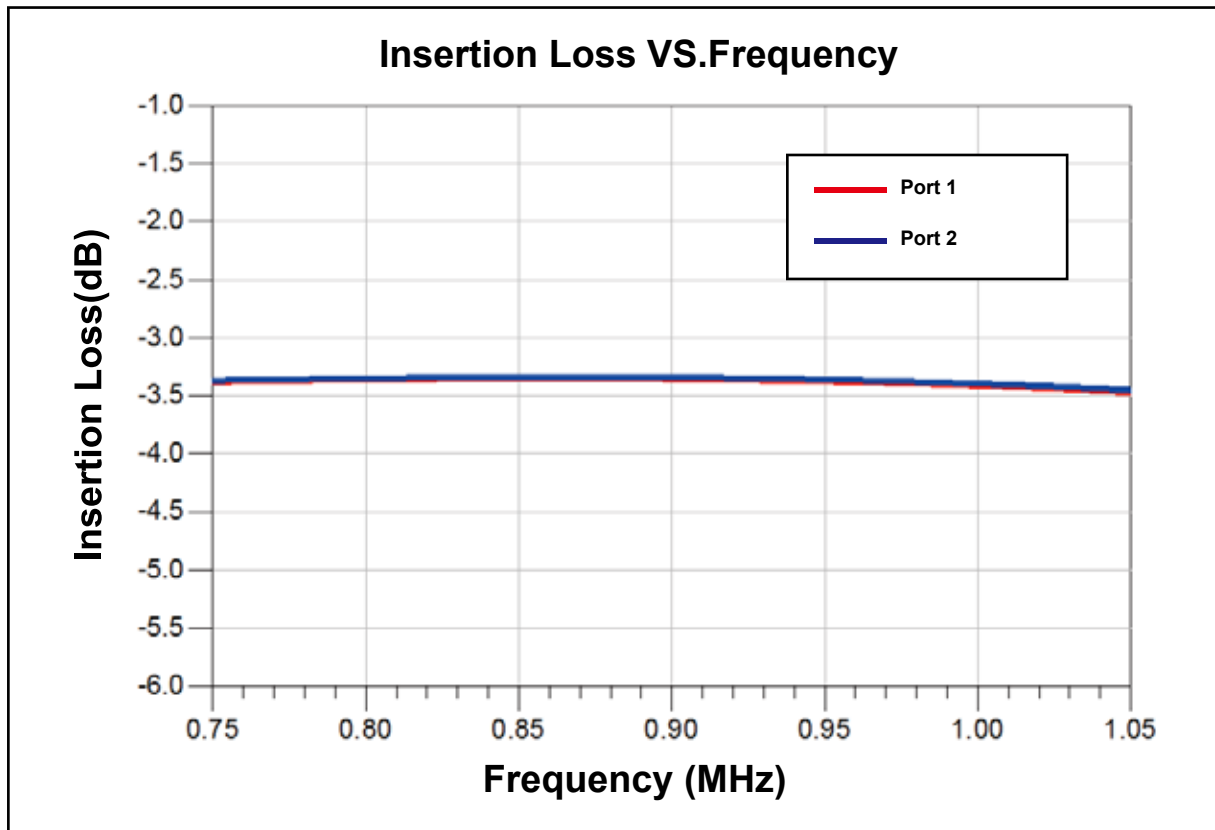
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

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

Data Sheet

PD0900U03-070

Power Divider/Combiner
2-Way 0° 50Ω 800-1000 MHz



Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China

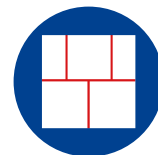
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

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

Data Sheet

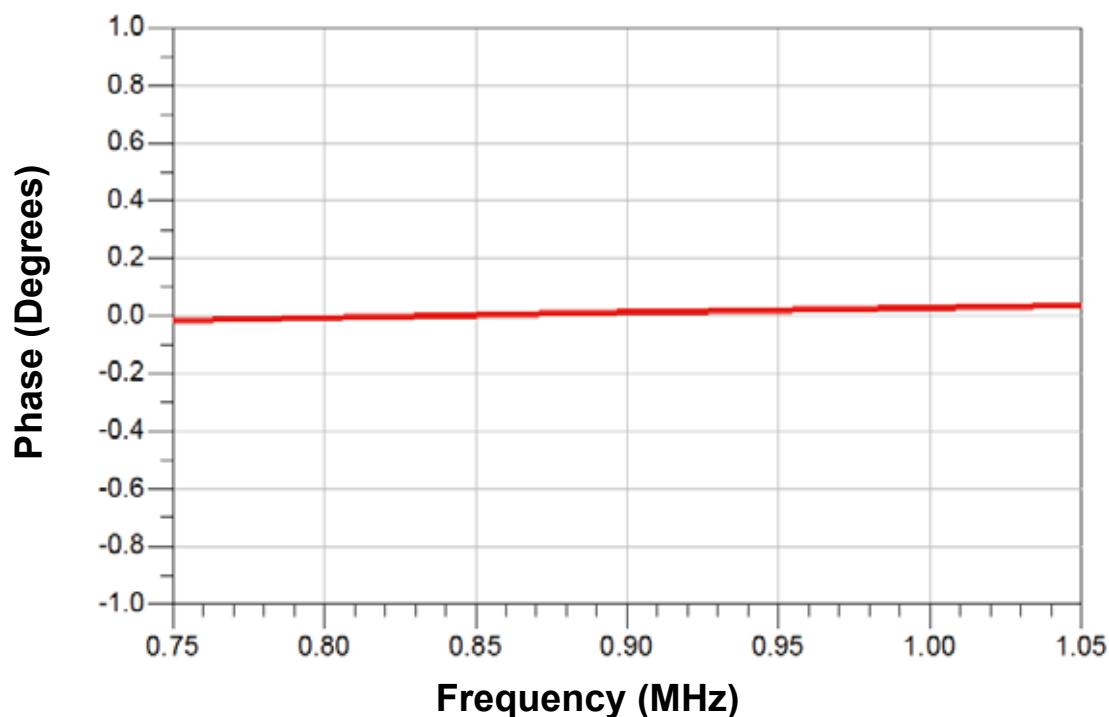
PD0900U03-070

Power Divider/Combiner
2-Way 0° 50Ω 800-1000 MHz

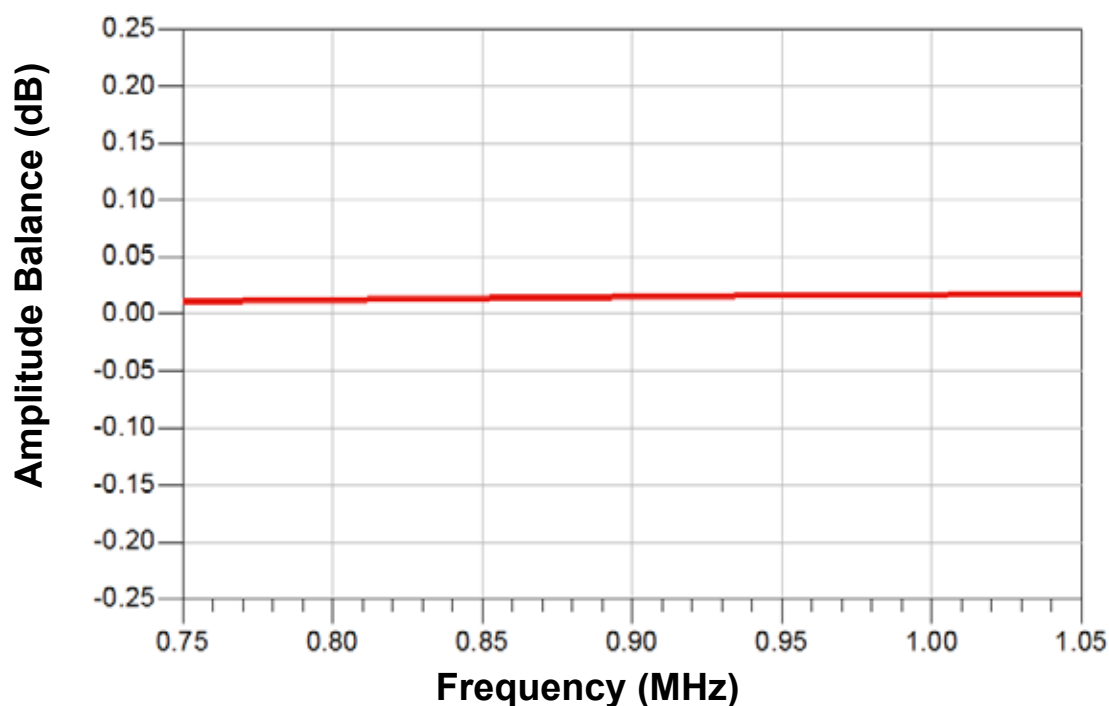


Yantel
Key Patents Lead Microwave Tech

Phase Balance VS.Frequency



Amplitude Balance VS.Frequency



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

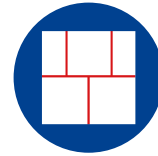
For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

Data Sheet

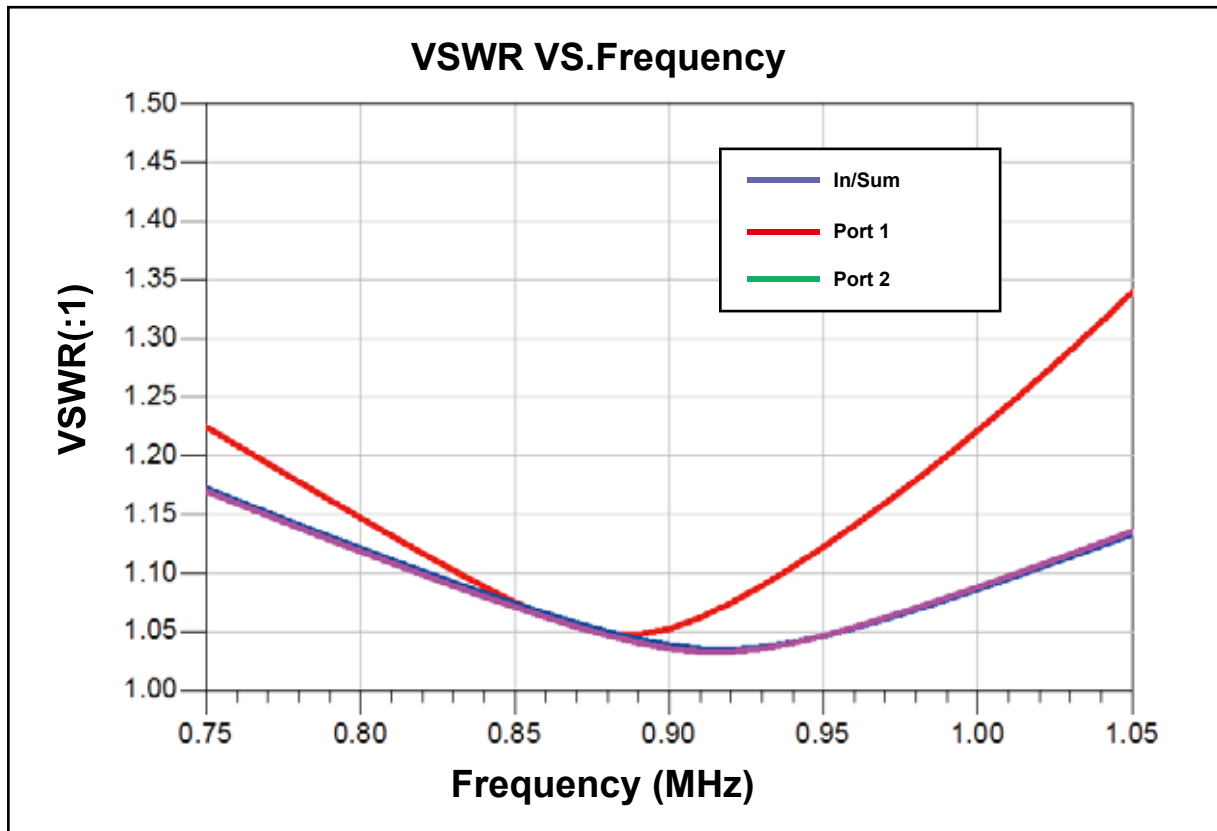
PD0900U03-070

Power Divider/Combiner

2-Way 0° 50Ω 800-1000 MHz



Yantel
Key Patents Lead Microwave Tech



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

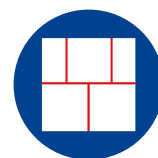
For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

Data Sheet

PD0900U03-070

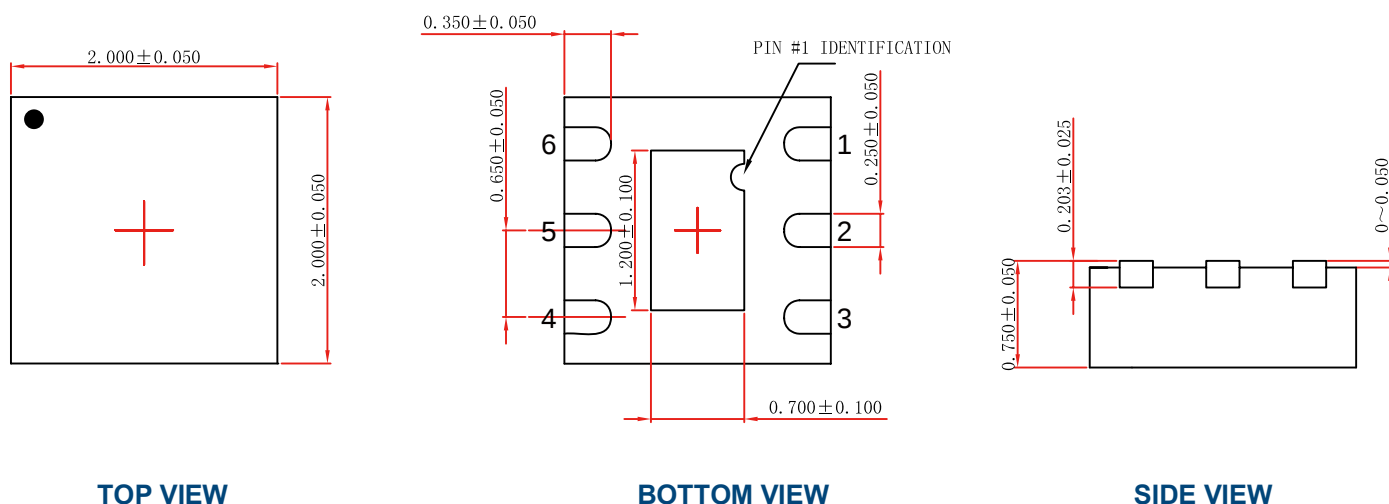
Power Divider/Combiner

2-Way 0° 50Ω 800-1000 MHz

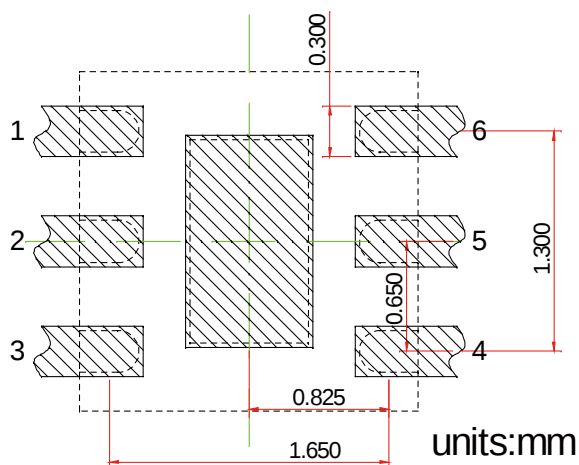


Yantel
Key Patents Lead Microwave Tech

Outline Drawing



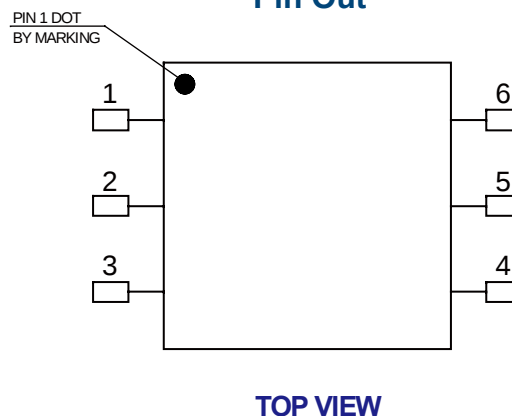
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



Pin #	Connection
1	GND
2	IN
3	GND
4	OUT
5	GND
6	OUT

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