

# PD1500U03-M1

## Power Divider/Combiner

### 2-Way 0° 50Ω 1.35-1.65 GHz



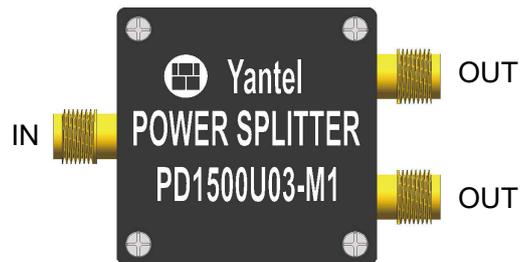
### Features

- Very Low Loss
- Tight Amplitude Balance
- High Isolation
- Low VSWR
- Good Repeatability
- Operating Temperature -40°C~85°C
- Power handling
  - 2 Watts as a divider
  - 1 Watts as a combiner
- SMA connector



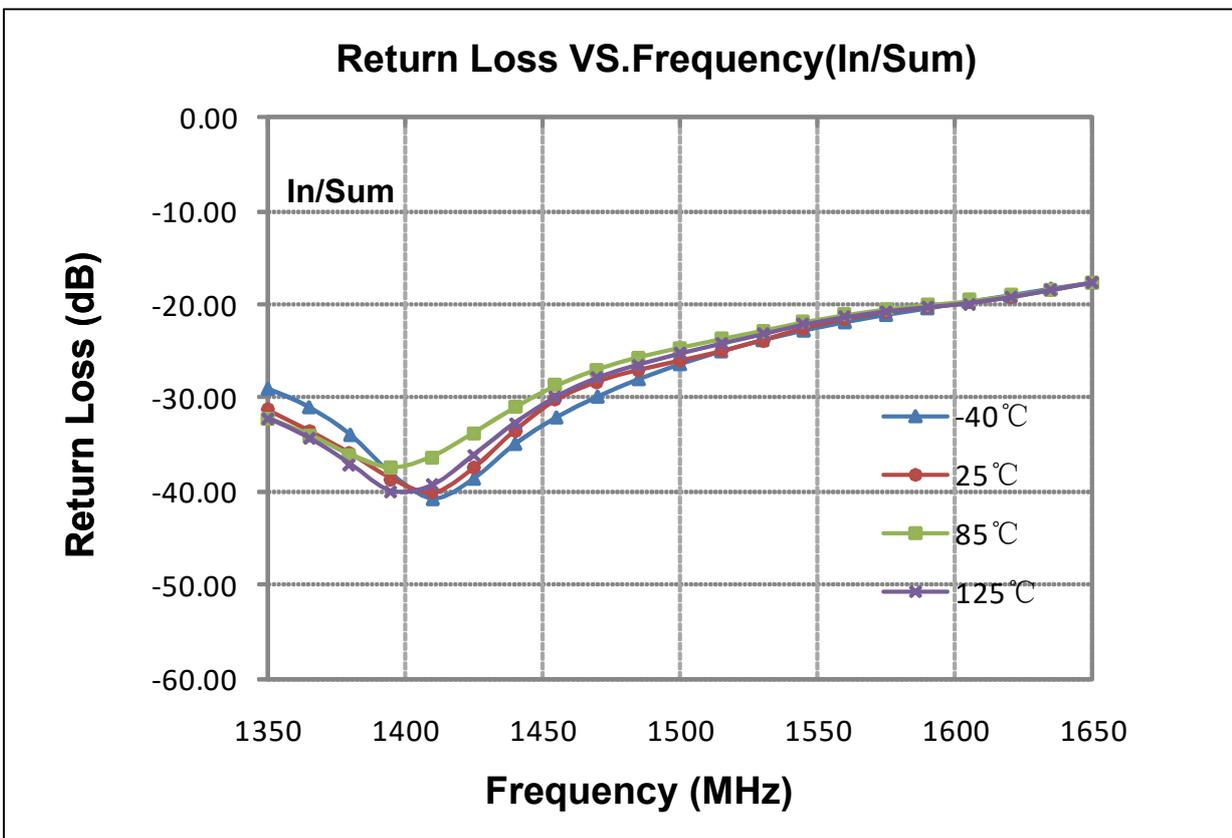
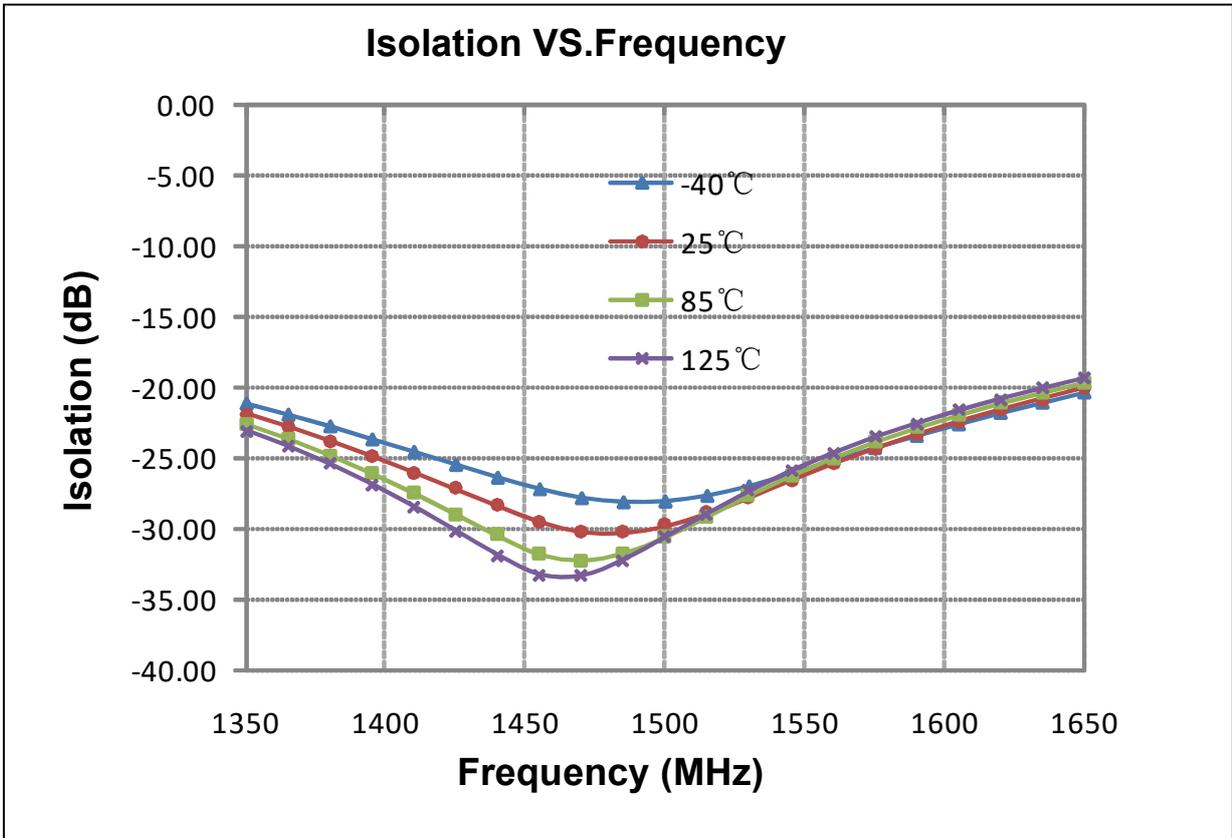
### Applications

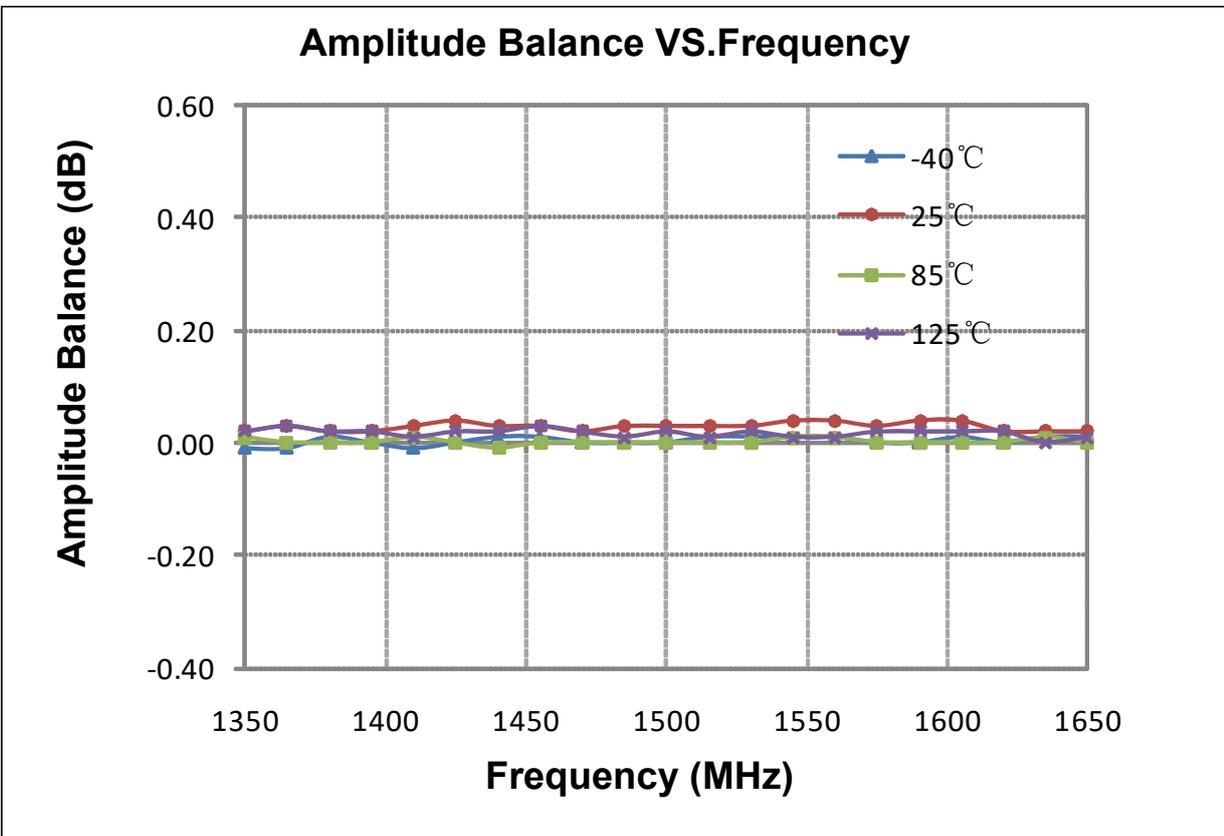
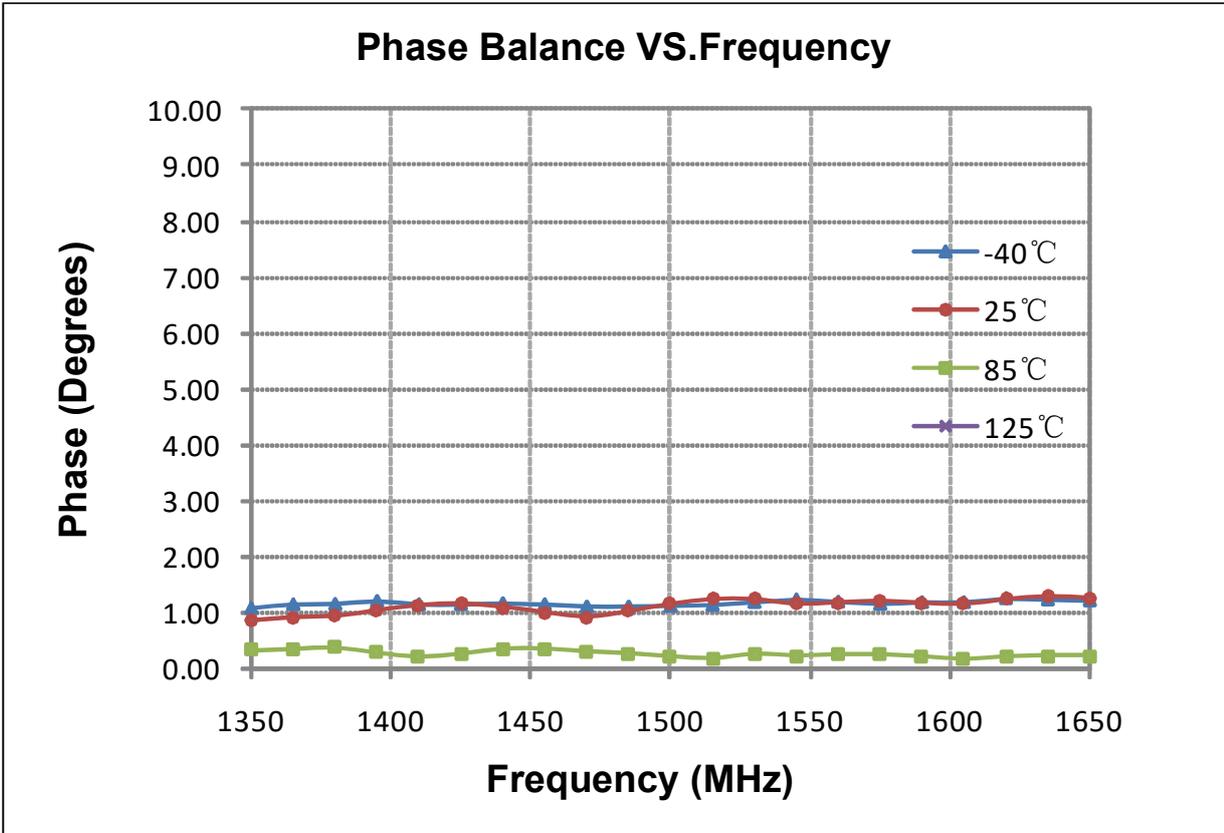
- Wireless communications
- WLAN / WiMax
- SAT Radio
- ISM band instrument
- Information System for Automotive Safety



### Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	FR	1350		1650	MHz
Insertion Loss (Above 3dB)	IL		0.25	0.35	dB
Isolation	Isol	20	25.5		
Phase balance	Φ bal		1.10	1.50	deg
Amplitude balance	Abal		0.05	0.1	dB
Input VSWR			1.10	1.30	
Output VSWR			1.10	1.25	

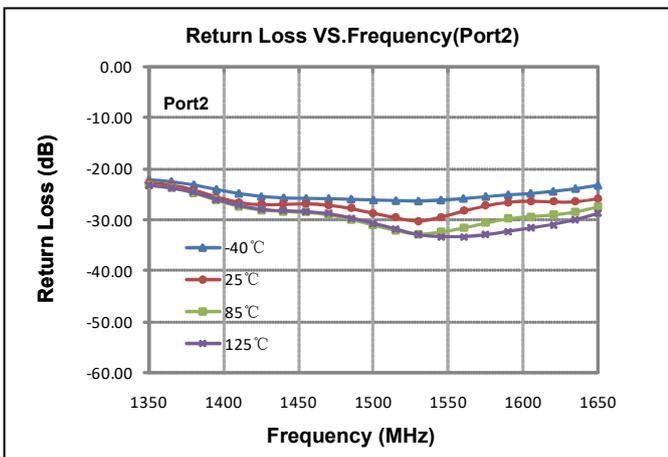
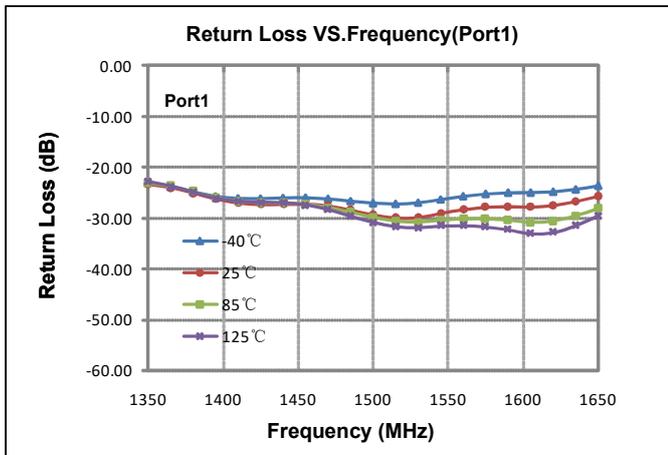




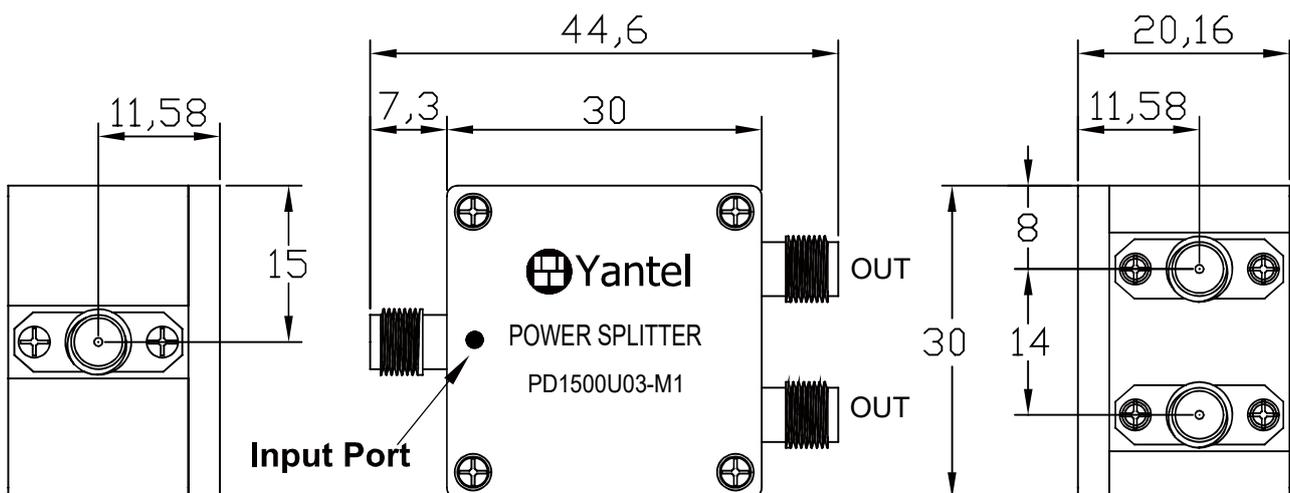
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### Outline Drawing



#### NOTE:

1. All dimensions shown in mm (tolerance: +/-0.05) unless stated otherwise
2. RoHS Compliant in accordance with EU Directive (2002/95/EC)