

PD0500U03-M1

Power Divider/Combiner

2-Way 0° 50Ω 280-610 MHz



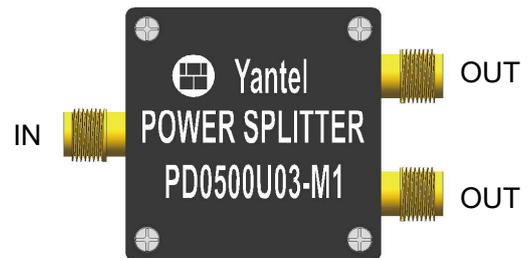
Features

- 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

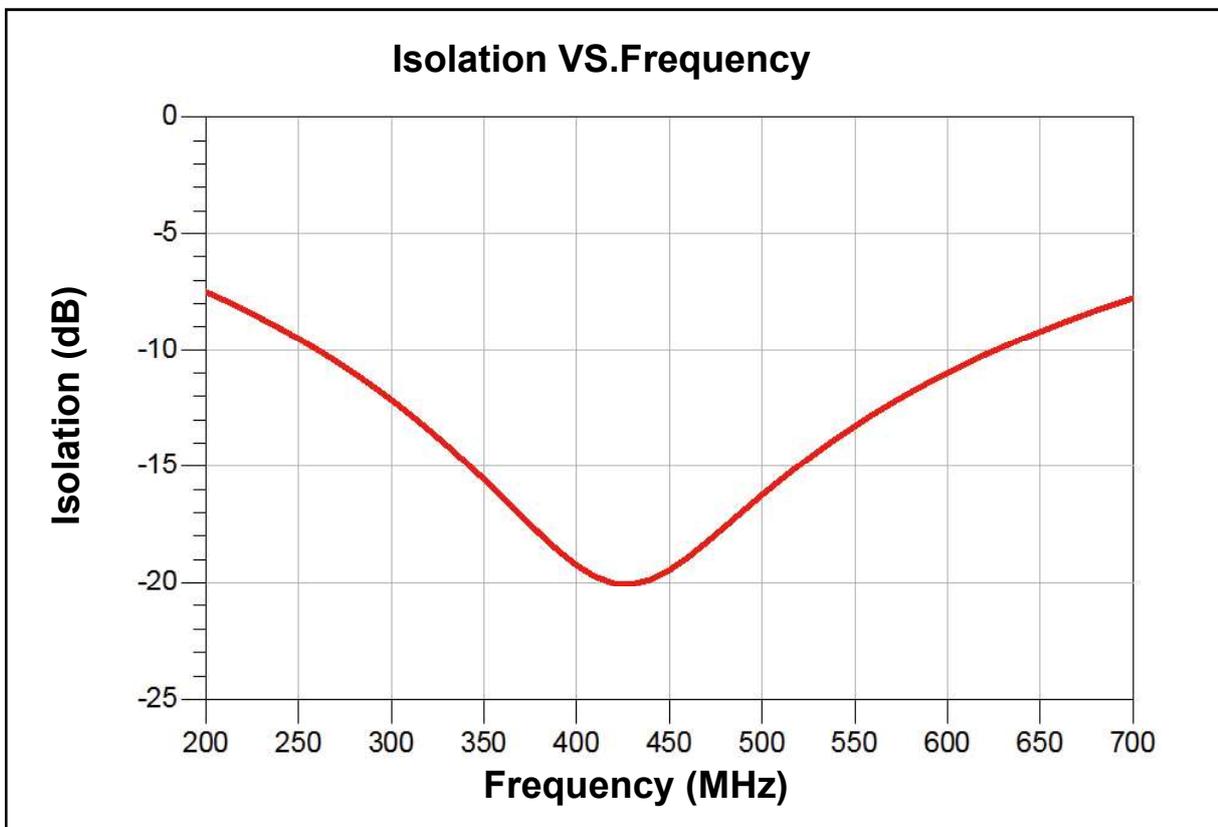
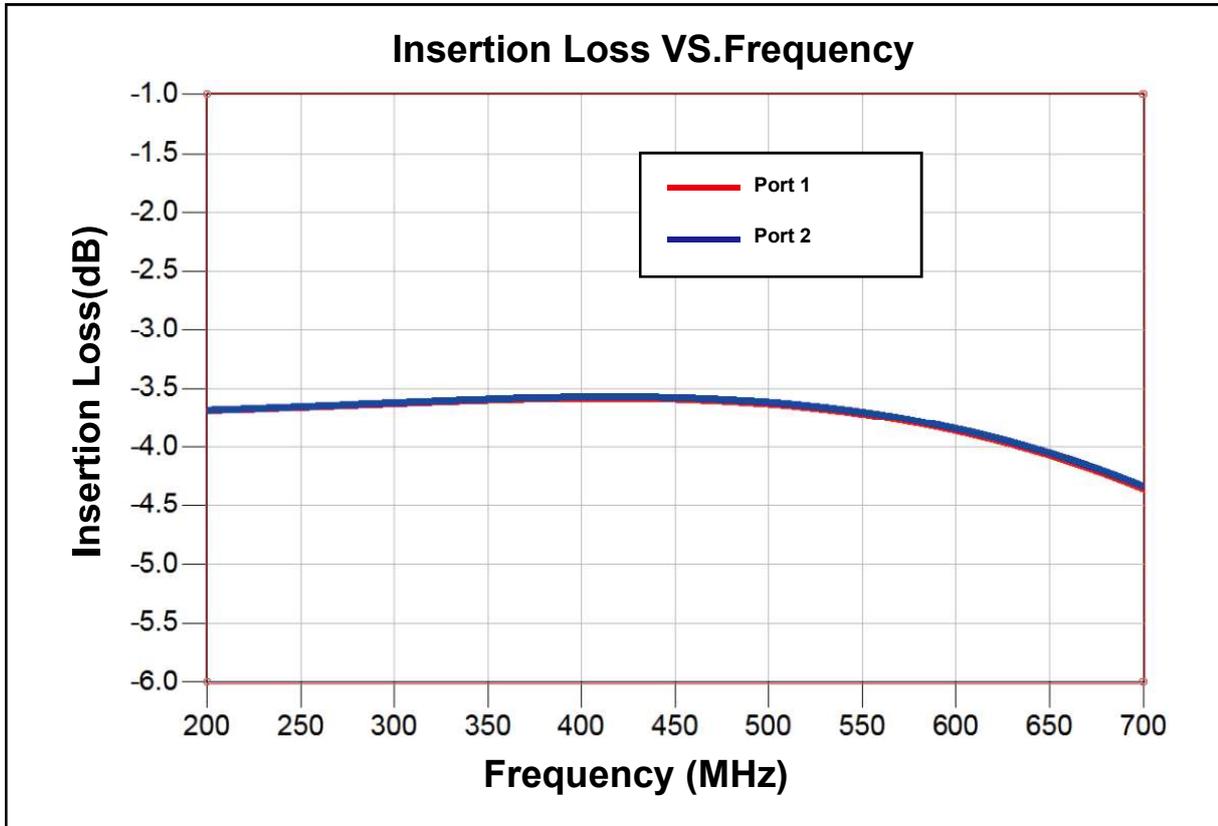
- Wireless communications
- WLAN / WiMax
- SAT Radio
- ISM band instrument
- Information System for Automotive Safety



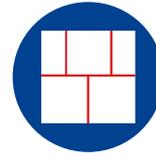
Electrical Specifications at 25° C

| Parameter | Symbol | Min | Typ | Max | Unit |
|-------------------------------|----------------|-----|-----------|-----|------|
| Frequency Range | F | 280 | | 610 | MHz |
| Insertion Loss (Above 3dB) | I_L | | 0.6 | | dB |
| Isolation | Isol | | 10 | | dB |
| Phase balance | θ_{bal} | | ± 0.5 | | deg |
| Amplitude balance | A_{bal} | | ± 0.1 | | dB |
| Input VSWR | | | 1.4 | 1.6 | |
| Output VSWR | | | 1.2 | 1.3 | |

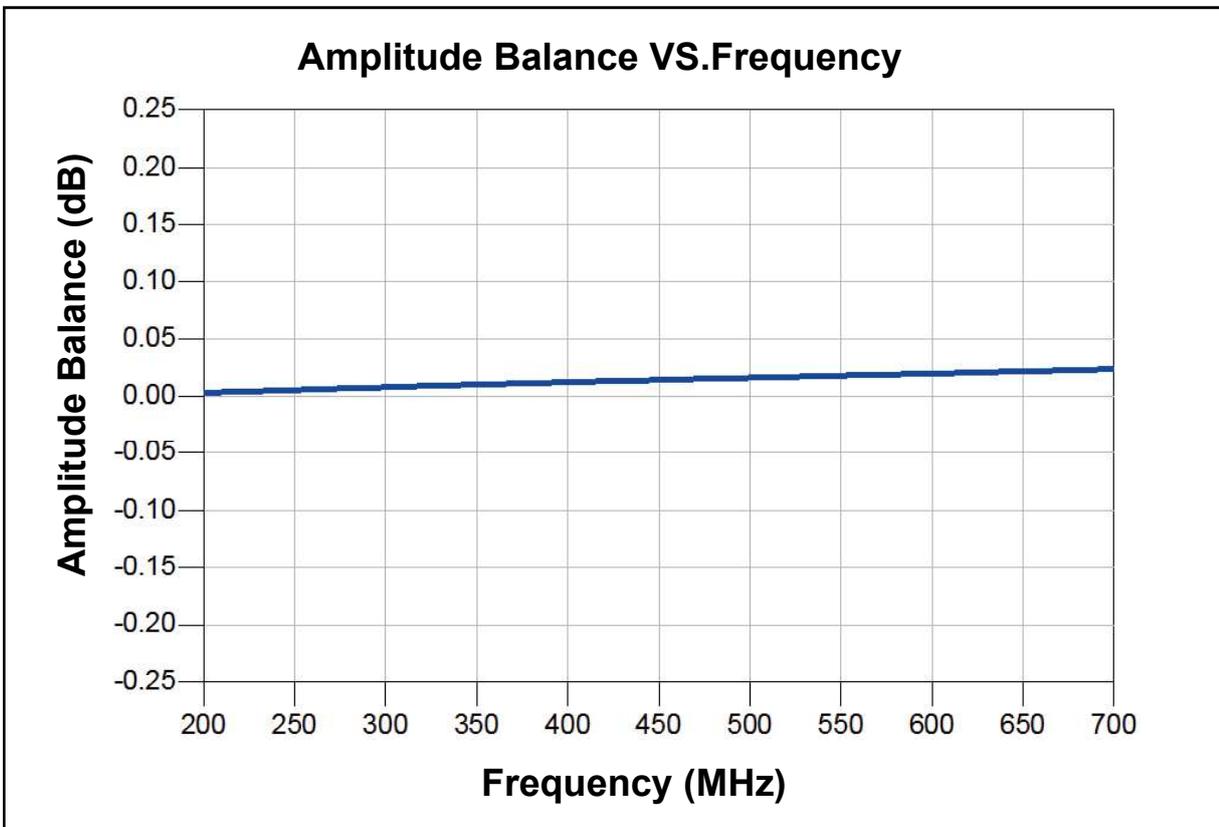
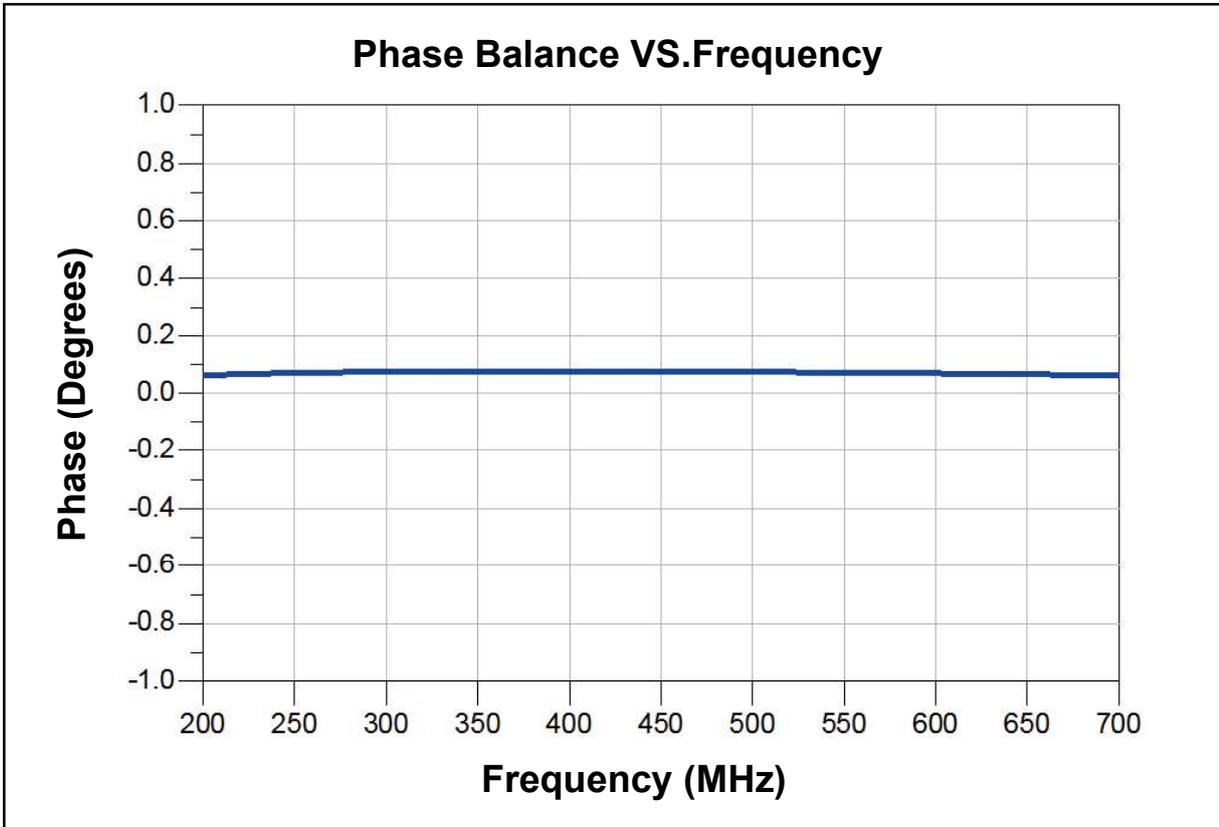
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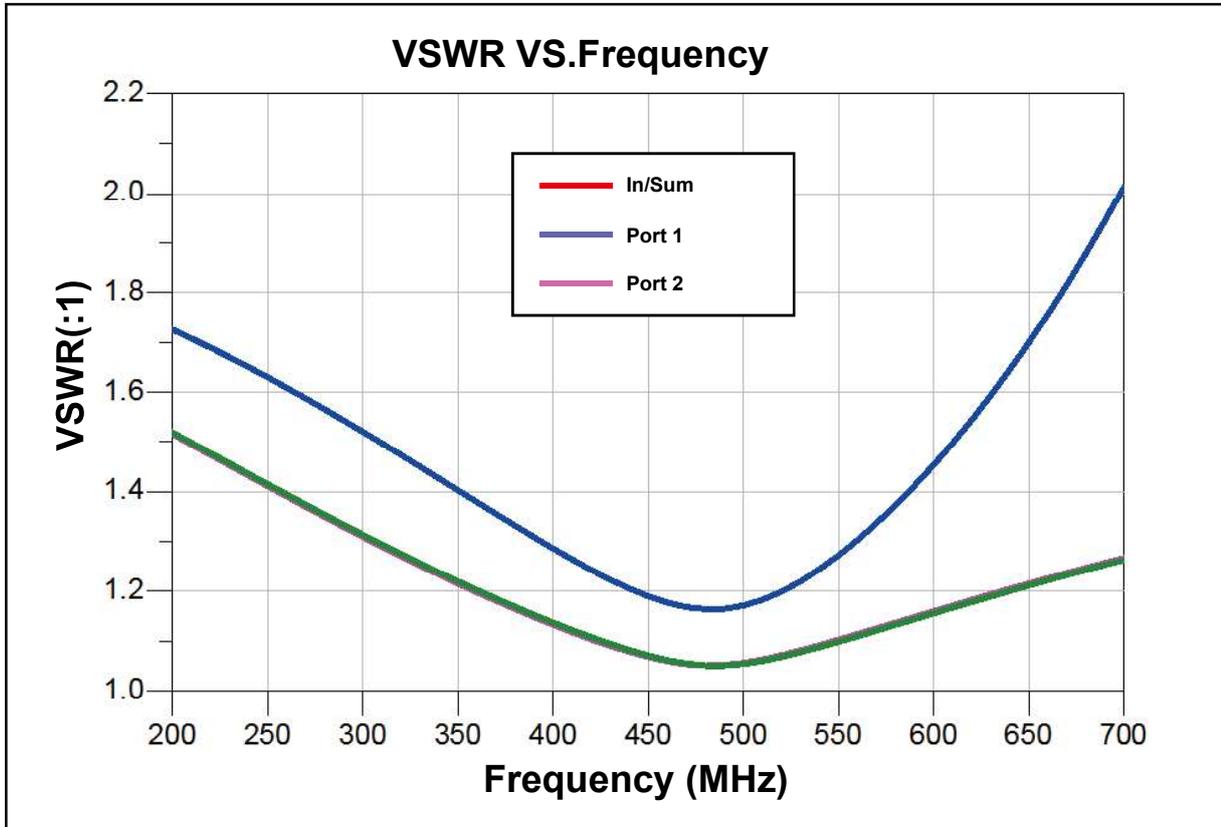
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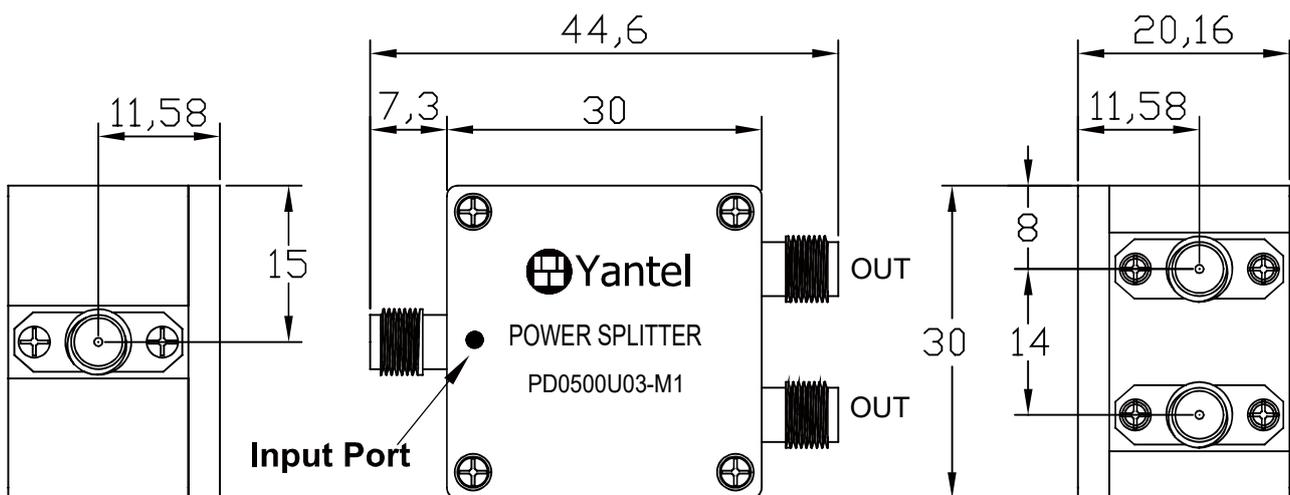
Yantel
Key Patents Lead Microwave Tech



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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)