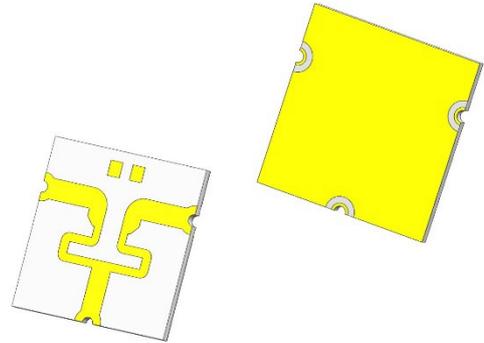


DESCRIPTION

Yantel's 28GHz 2-way power divider / combiner offers unmatched size and performance in a surface mount configuration. This power divider utilizes Yantel's low loss temperature stable materials which offer small size and minimal performance variation over temperature.

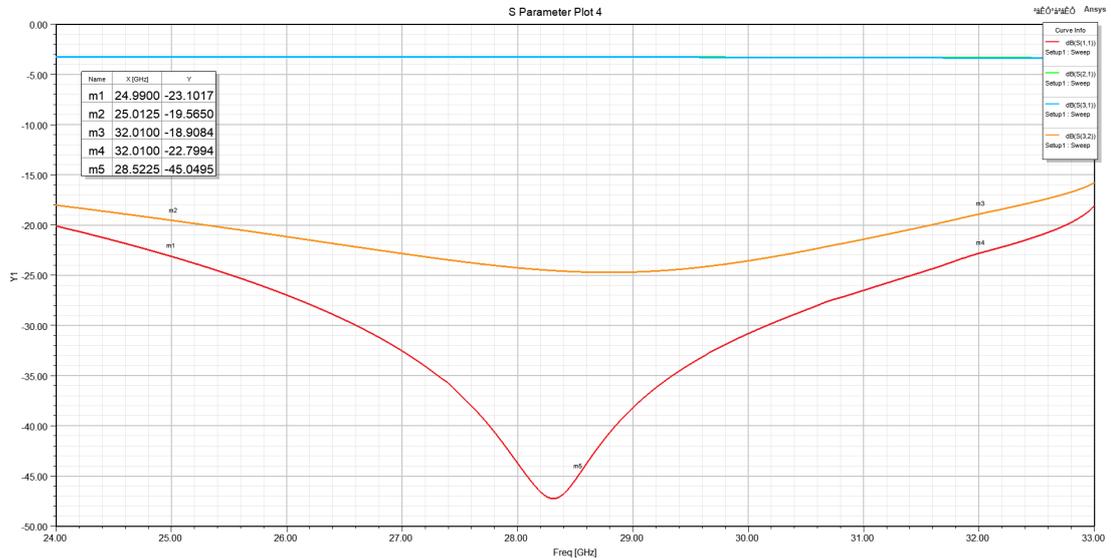
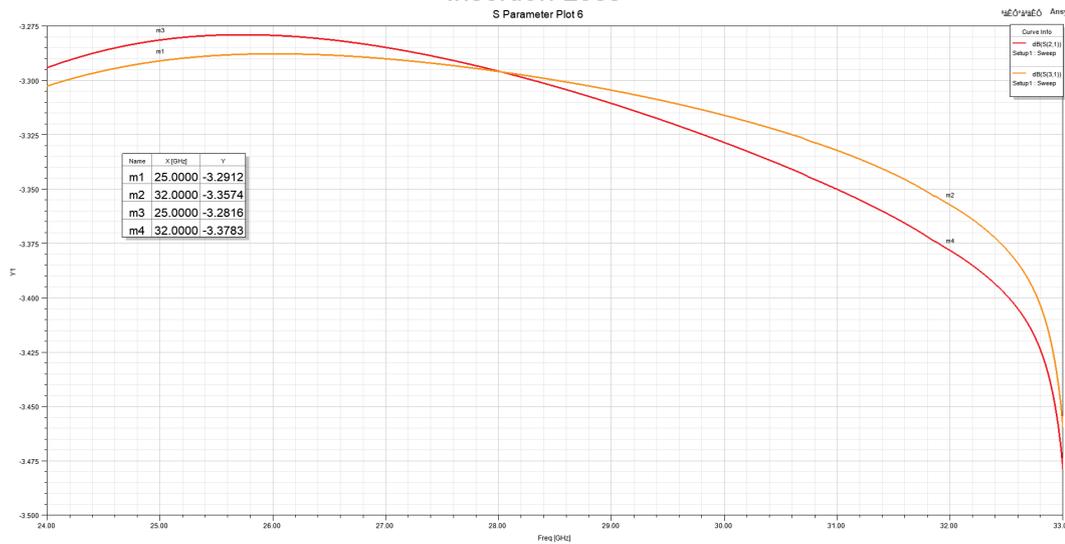
FEATURES

- Small Size
- Frequency Stable over Temperature
- Solder Surface Mount Package
- Excellent Repeatability
- Moisture Sensitivity Level: MSL1
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

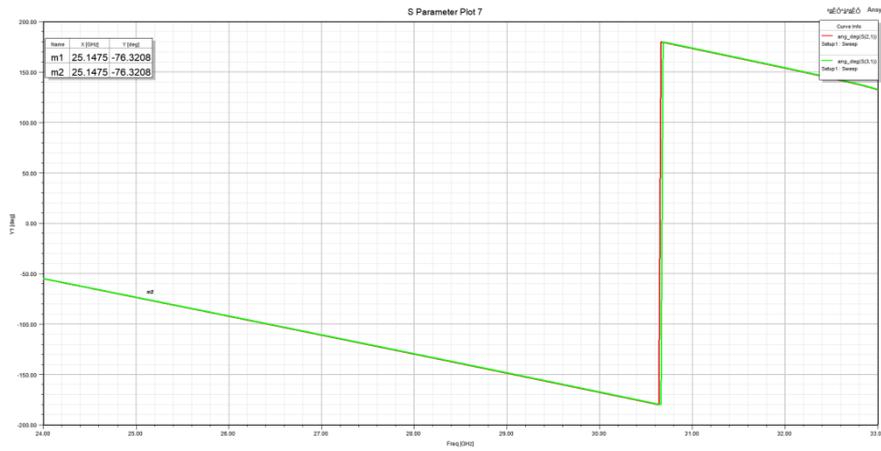


Electrical Specifications at 25°C

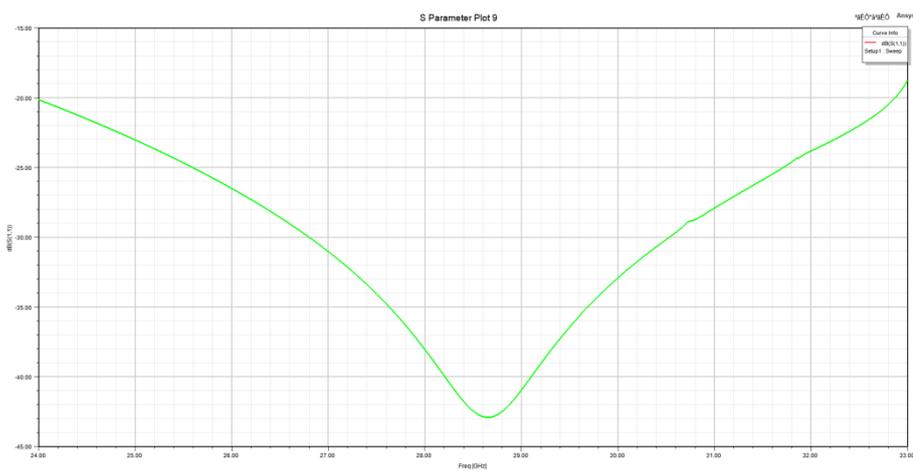
Parameter	Specification
Frequency Range	25GHz~32GHz
VSWR	≤2.0
Insertion Loss	≤3.8dB
In-Band Flatness	≤0.25dB
Isolation	≥15dB
Phase Balance	≤±5°
Amplitude Balance	≤±0.7 dB
Package Size	2.4*2.1*0.26mm

Typical Measured Performance

Insertion Loss


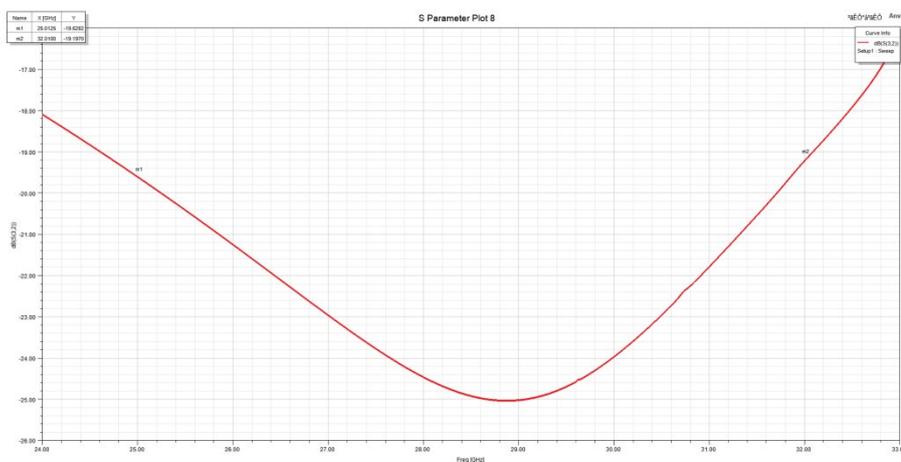
Phase Balance



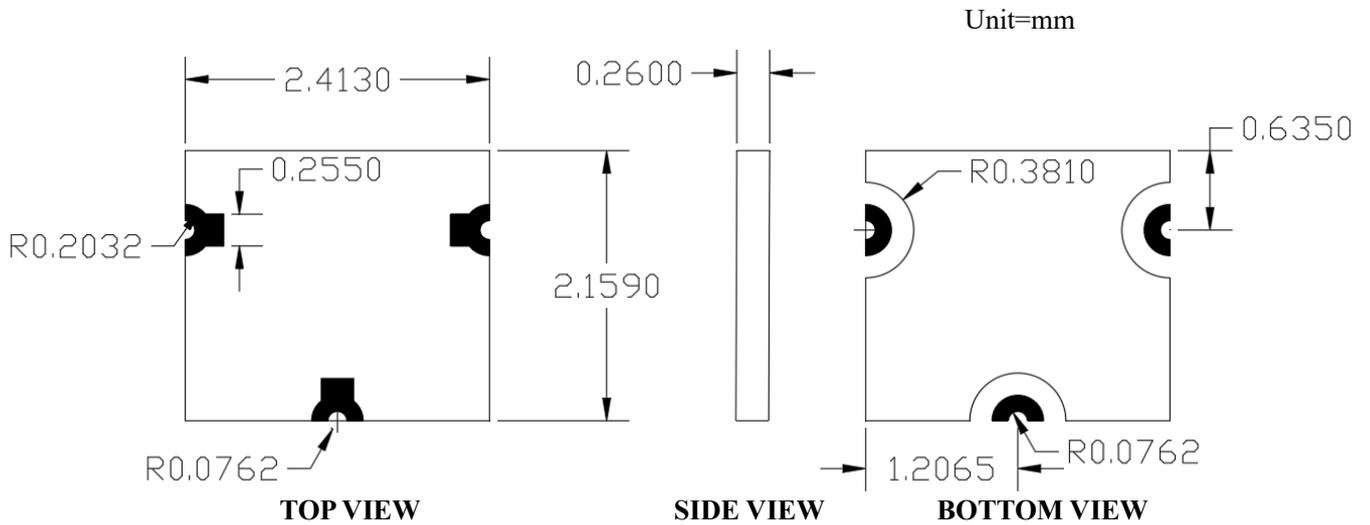
Return Loss



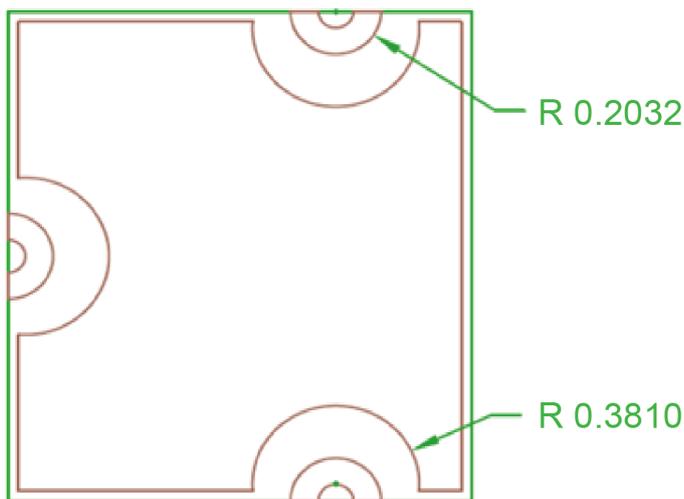
Isolation



Mechanical Outline



Recommended PCB Layout



- 50Ω trace dimensions are application specific.
- Ensure adequate grounding beneath the part.