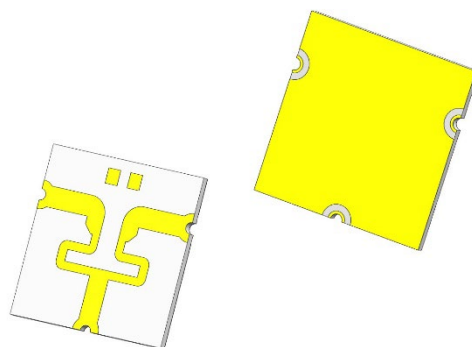


DESCRIPTION

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	$\leq 3.8\text{dB}$
In-Band Flatness	$\leq 0.25\text{dB}$
Isolation	$\geq 15\text{dB}$
Phase Balance	$\leq \pm 5^\circ$
Amplitude Balance	$\leq \pm 0.7\text{ dB}$
Package Size	2.4*2.1*0.26mm

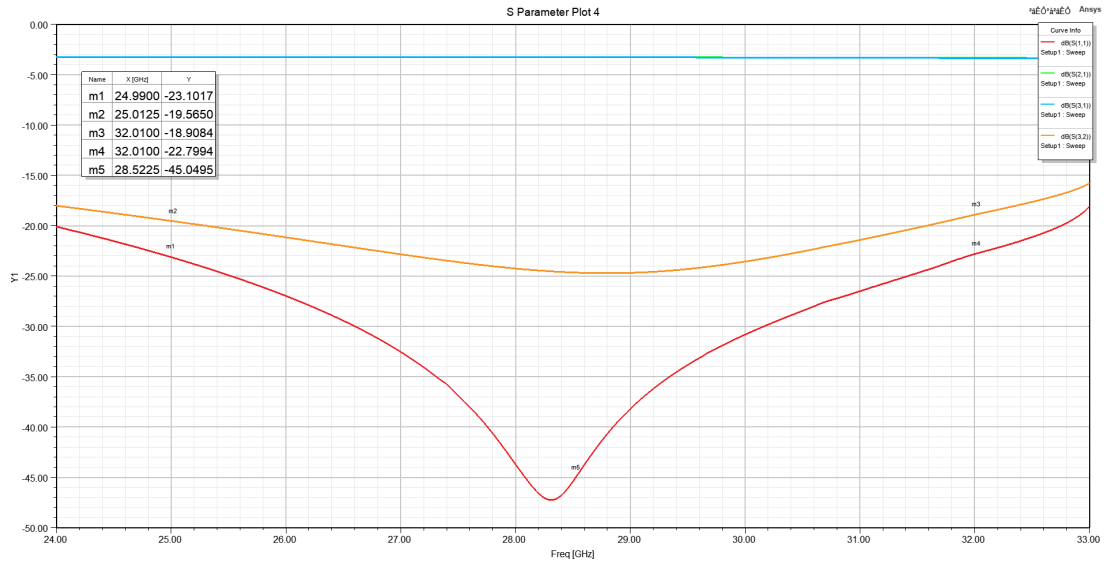
Yantel Corporation

Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China

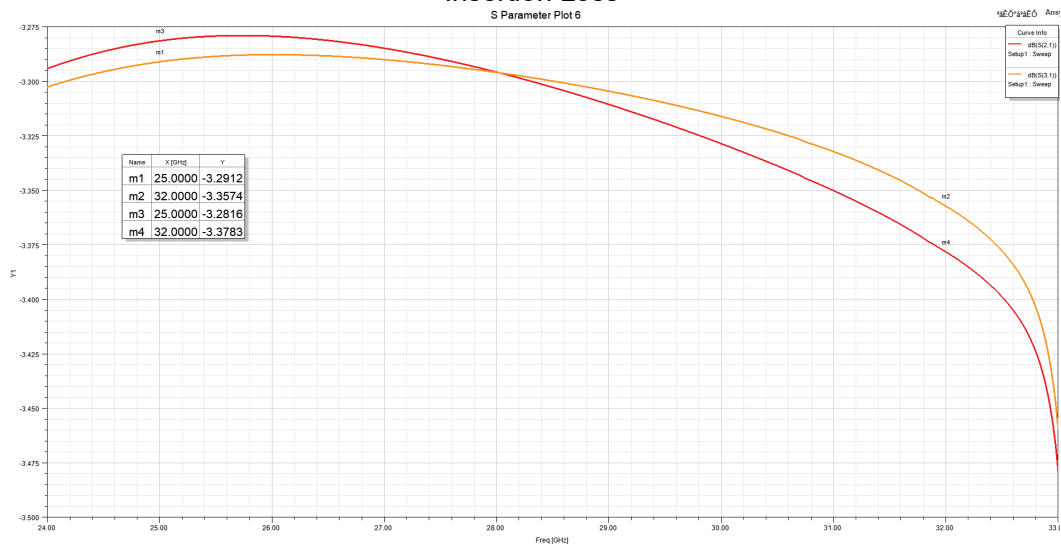
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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

Typical Measured Performance



Insertion Loss



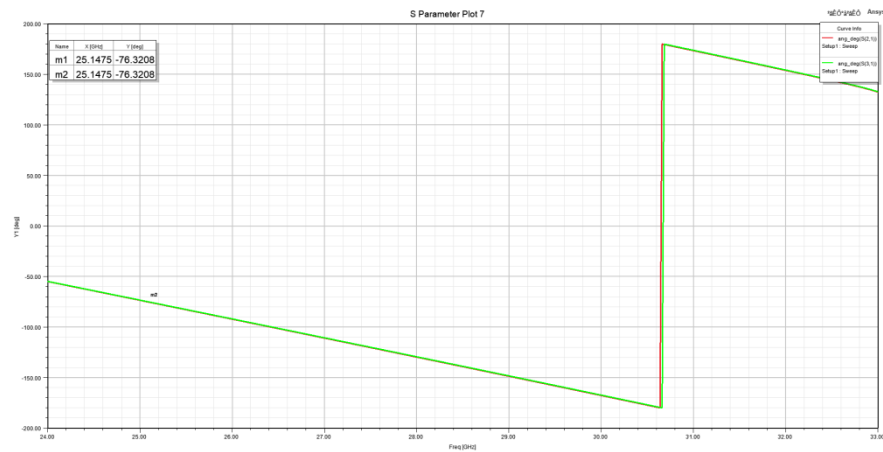
Yantel Corporation

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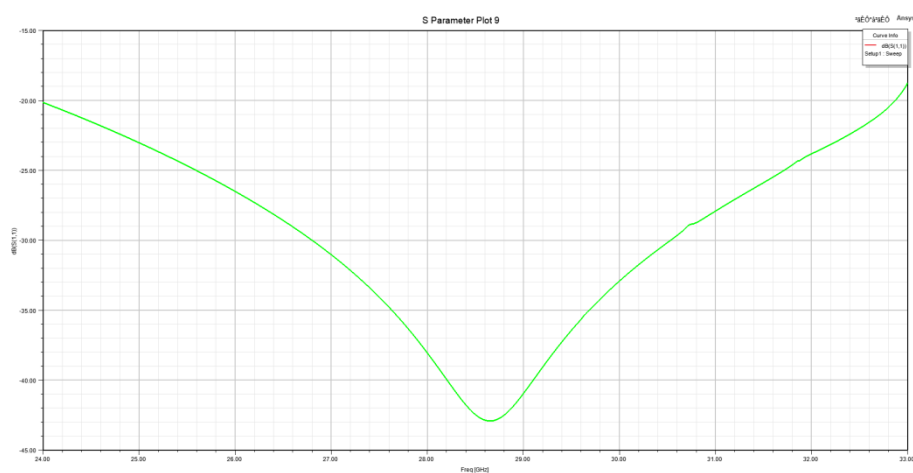
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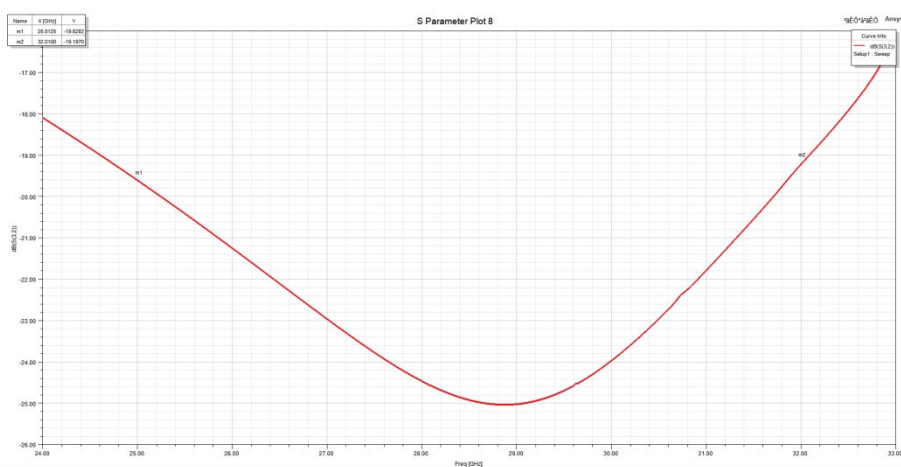
Phase Balance



Return Loss



Isolation



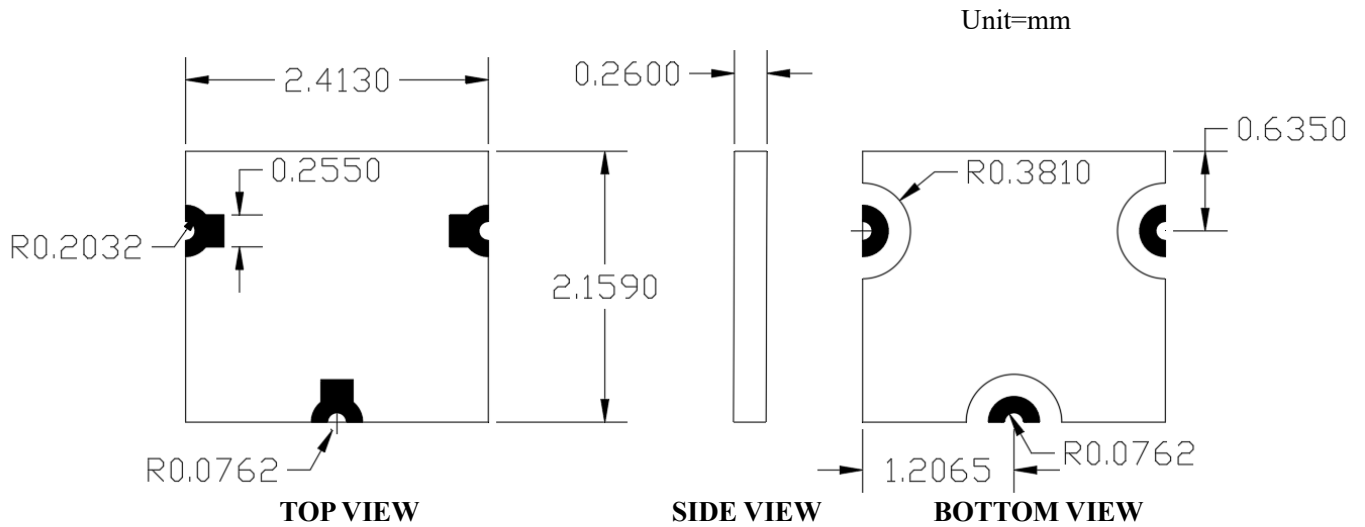
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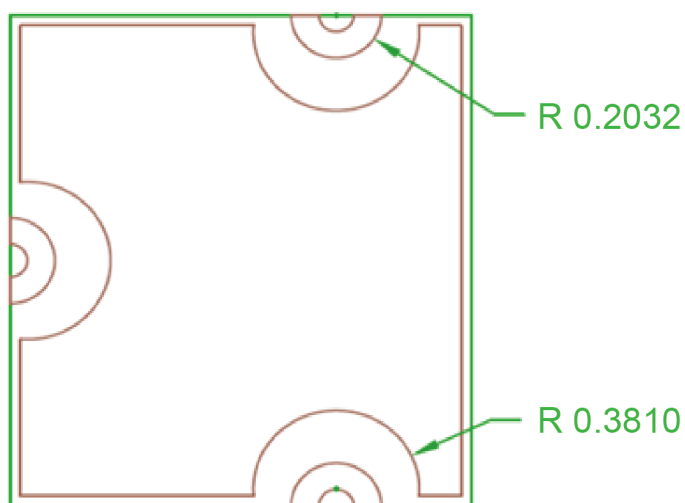
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Mechanical Outline



Recommended PCB Layout



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

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