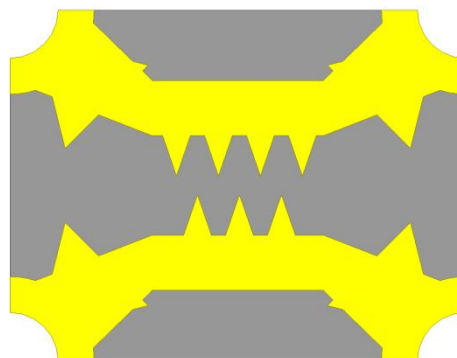


DESCRIPTION

Yantel introduces its new high frequency, wide band surface mountable catalog direction couplers. These couplers incorporate Yantel's high dielectric ceramic materials which provide small size and minimal performance variation over temperature. They are available in symmetrical and Asymmetrical versions.



FEATURES

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

Electrical Specifications

Parameter	Specification
Frequency Range	20~40GHz
Passband Insertion Loss*	≤0.5dB
Passband Return Loss	≥14dB
Coupling	20dB±1.5
Directivity	≥14dB
Input Power	5W
Characteristic Impedance	50 Ω
Package Size	0.065 x 0.05x 0.01 in 1.651 x 1.27 x 0.254 mm

*Electrical specifications based on typical mounted performance at room temperature. Insertion loss shall vary ±0.5dB over temperature.

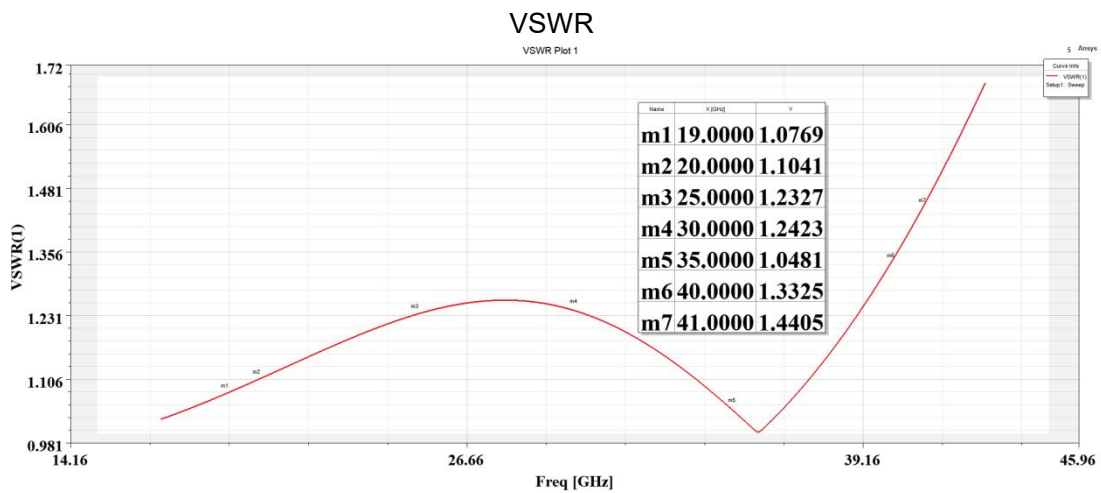
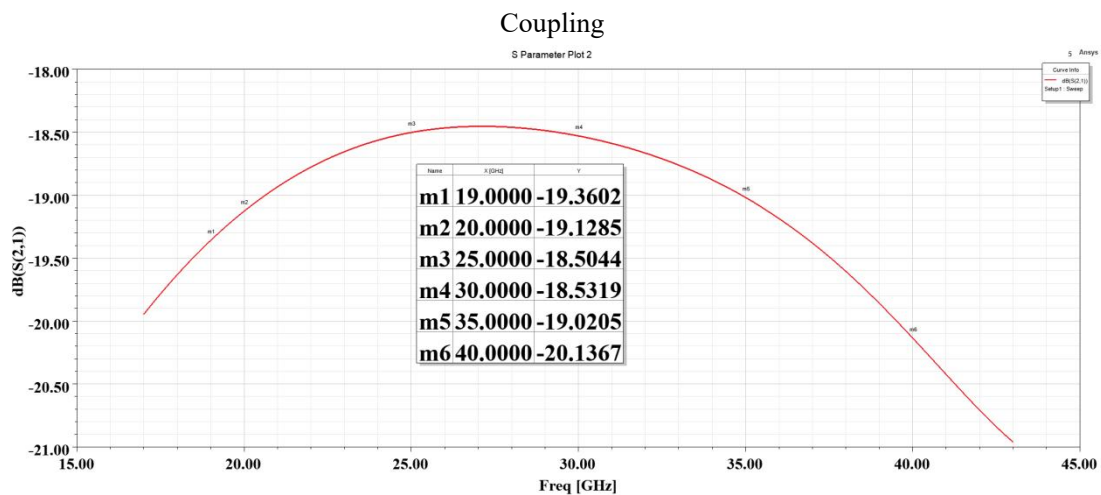
Yantel Corporation

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



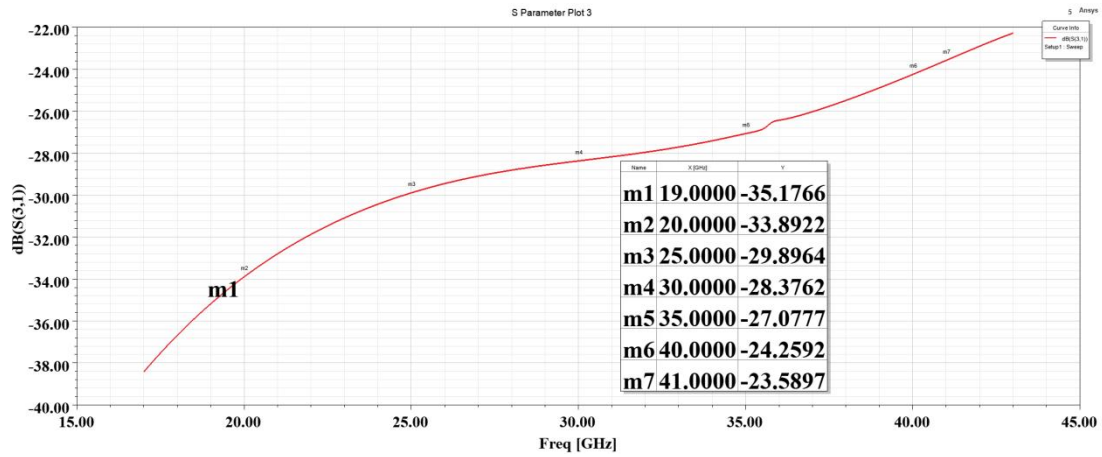
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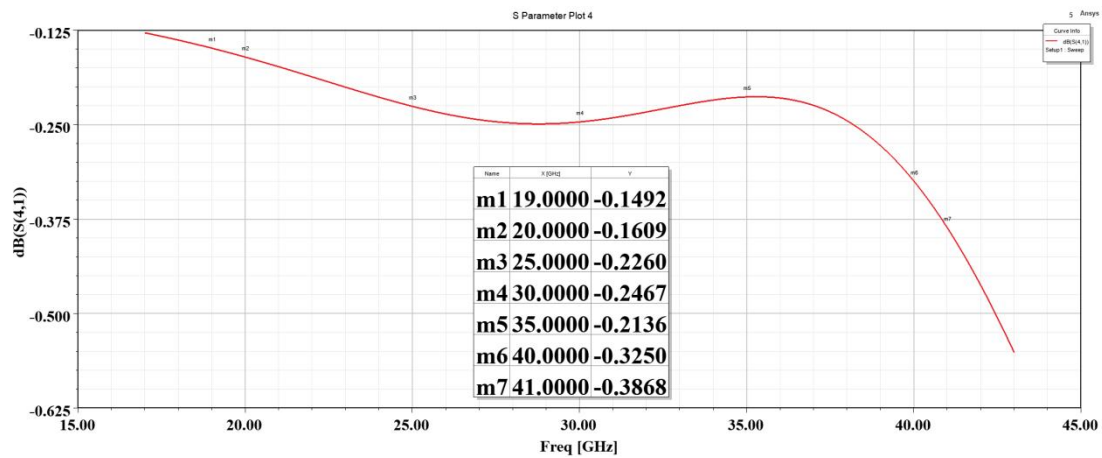
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Isolation



Insertion Loss



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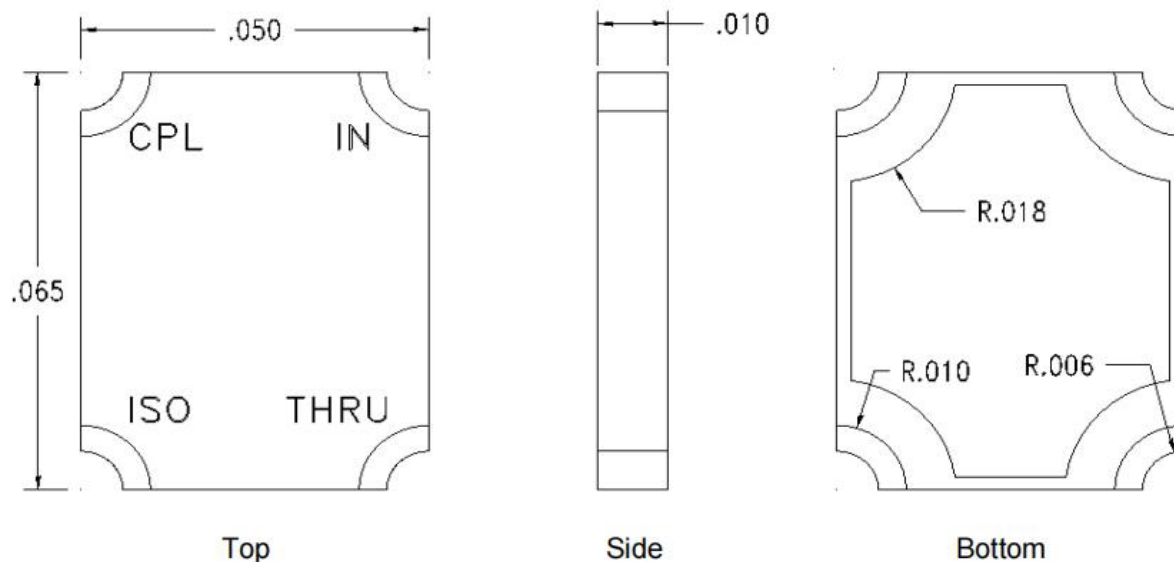
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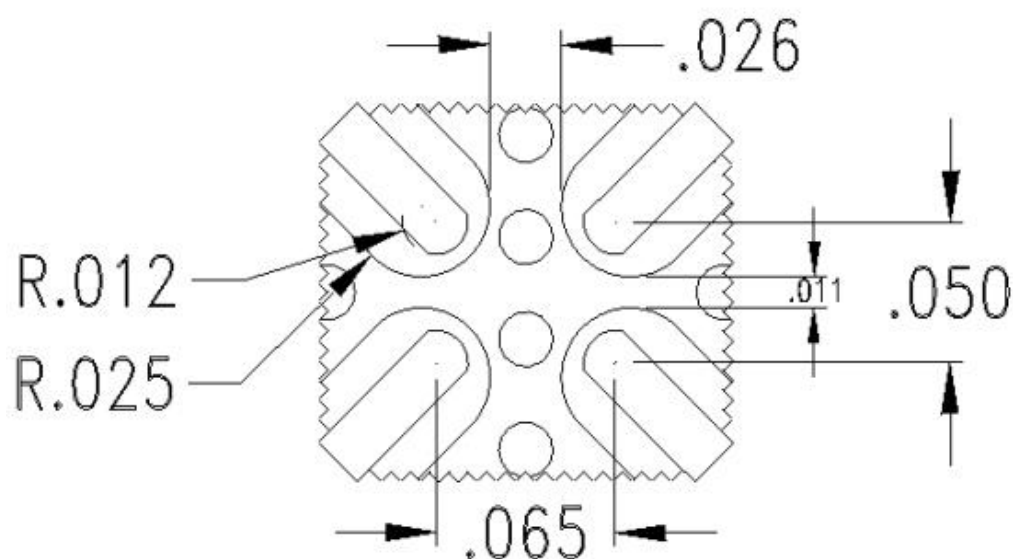
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Physical Dimensions

Units=Inches



Recommended PCB Layout



- 50Ω trace dimensions are application specific.
- Ensure adequate grounding beneath the part.
- Trace feed locations can be horizontal, vertical, or angled.

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