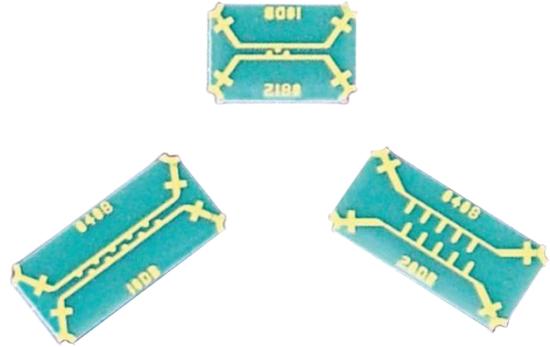


DESCRIPTION

Yantel introduces its new high frequency surface mountable catalog resistive couplers. These couplers incorporate Yantel's high dielectric ceramic materials which provide small size and minimal performance variation over temperature. The components are well matched for monitoring incident and reflected power.



FEATURES

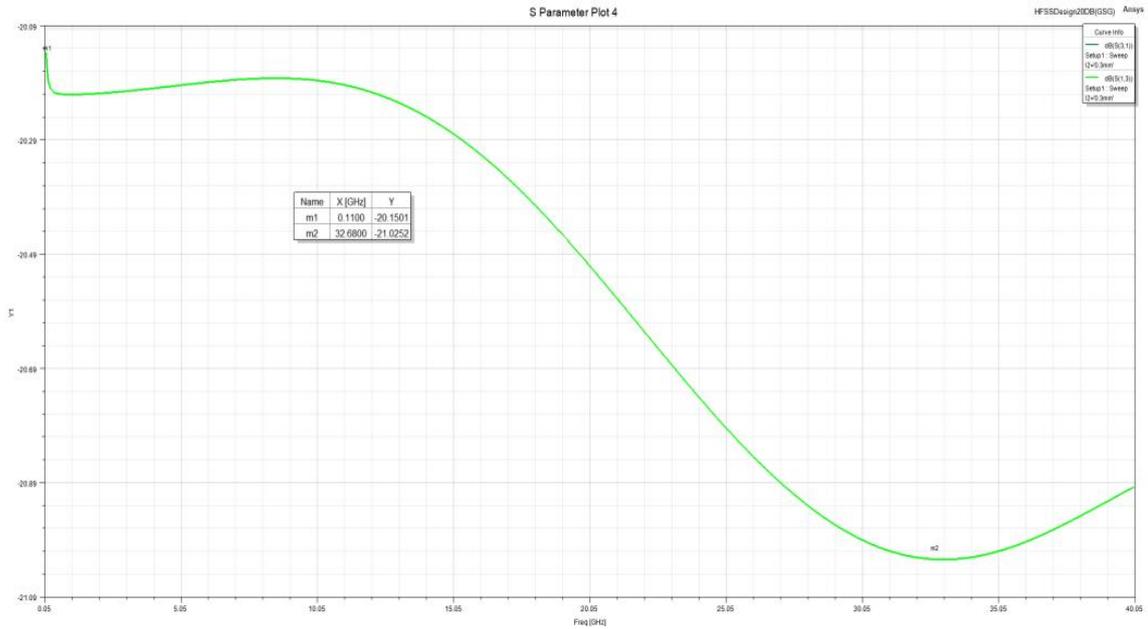
- Small Size
- Excellent Repeatability
- Surface Mountable
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

Electrical Specifications at 25°C

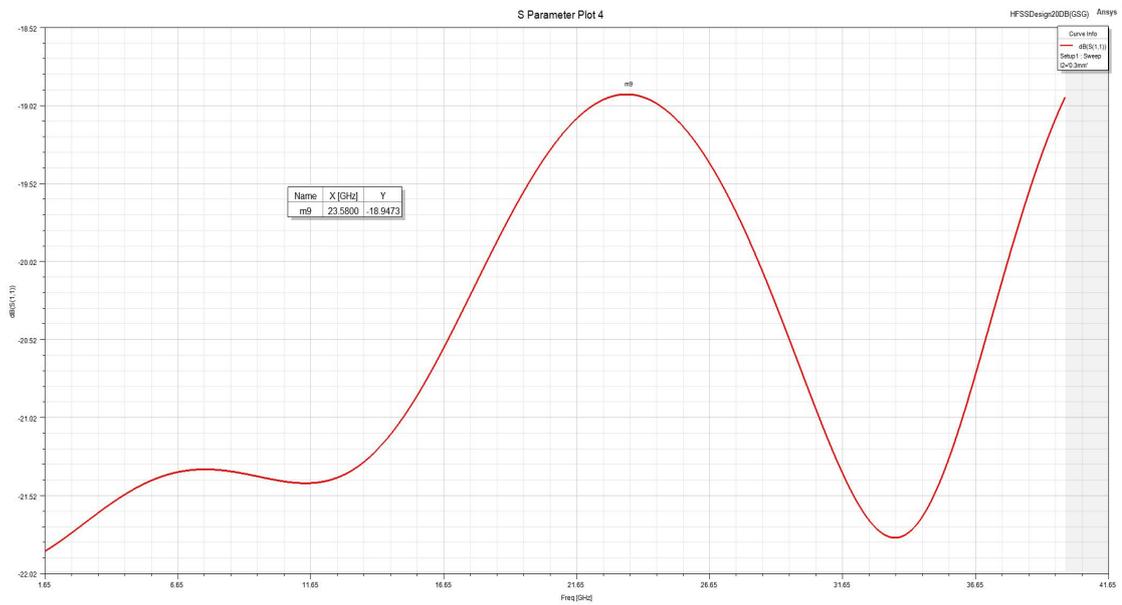
Parameter	Specification
Frequency Range	DC~40GHz
Insertion Loss	≤3.0dB
Return Loss	≥12
Coupling	20dB±3
Input Power	5W
Characteristic Impedance	50 Ω
Output Install	Welding/SMD
Package Size	1.52mm*2.24mm*0.26mm

Typical Measured Performance

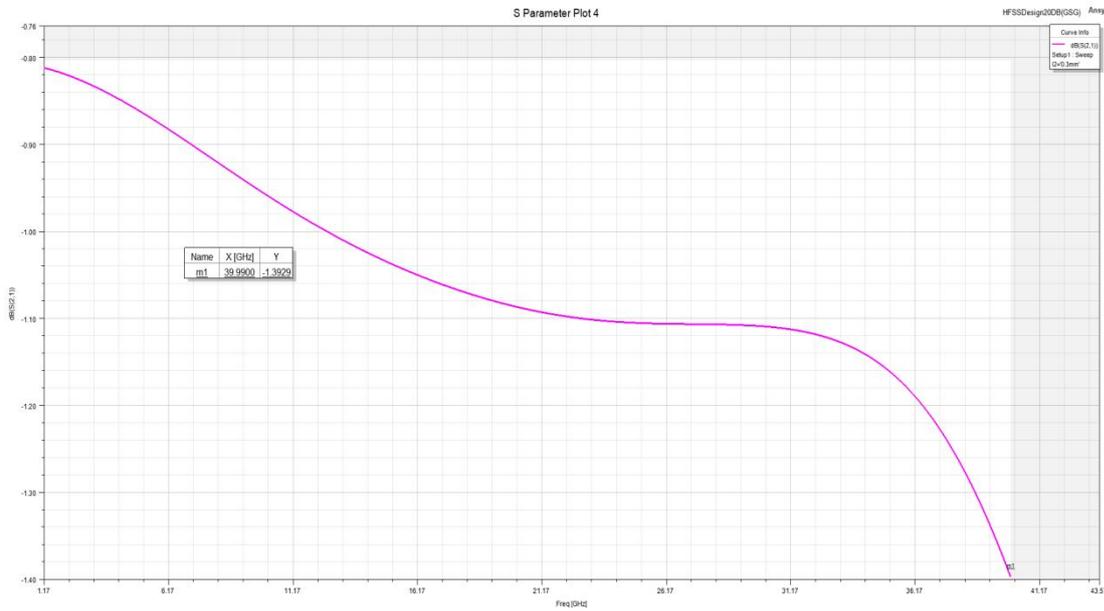
Coupling



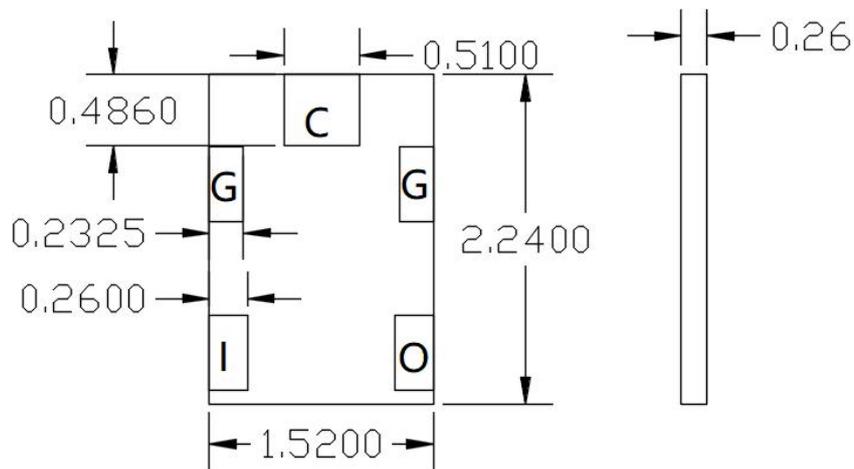
Return Loss



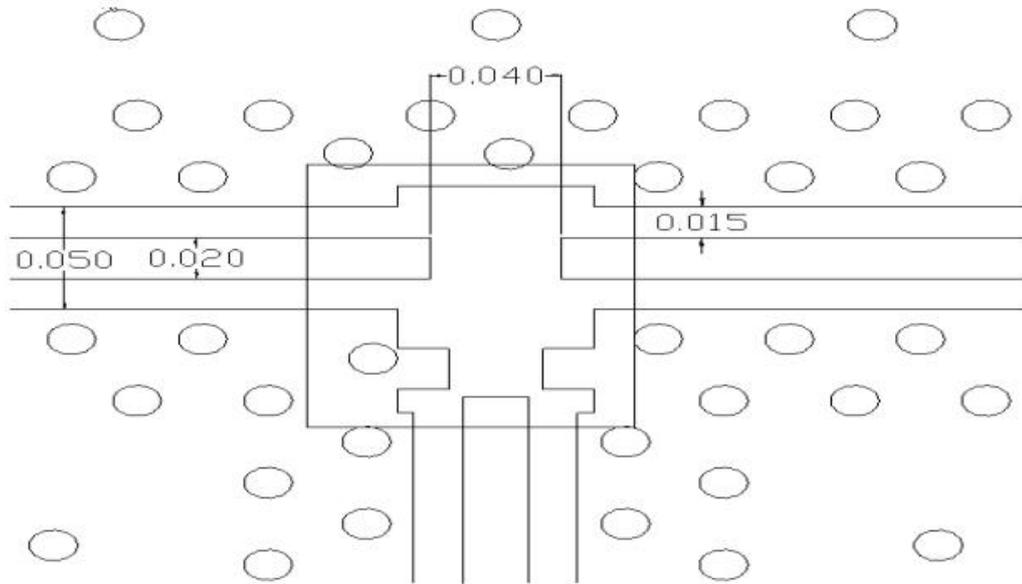
Insertion Loss



Mechanical Outline



Unit	mm
Identification size	I:Input; O:OutPut; C:Couple; G:GND
Base material	Ceramics
Surface process	Gold plating

Recommended PCB Layout

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