

QUAD HYBRID - QHD-3C-10G

TECHNICAL FEATURE

FEATURES

- 2.0 - 18.0 GHz
- High Isolation
- Low Loss
- Excellent Phase / Amplitude Balance
- Co-planar launch
- Ni/Au finish



PERFORMANCE

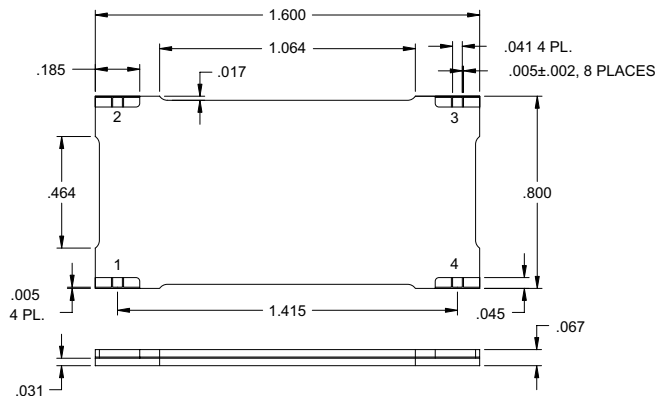
Frequency Range.....	2.0 - 18.0 GHz
Isolation	15 dB min.
Insertion Loss	2.0 dB max.
VSWR.....	1.5:1 max.
Amplitude Balance	±1.0 dB max.
Phase Balance	90 ± 8° max.
Input Power	30 watts typ.
RF Interface.....	Gold plated CPW launch
Operating Temperature Range	-55 to +85°C

DESCRIPTION

The Multi-Mix® QHD series provides a 3 dB coupler with low insertion loss, low VSWR, and high isolation. Accurate phase and amplitude balance make them ideal for applications involving IQ networks, power amplifiers, signal distribution and processing equipment.

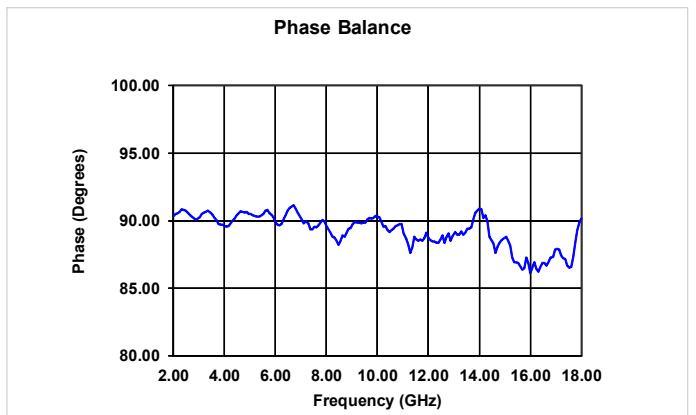
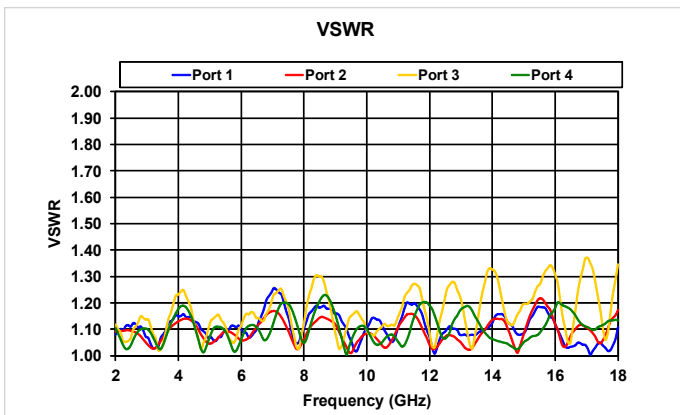
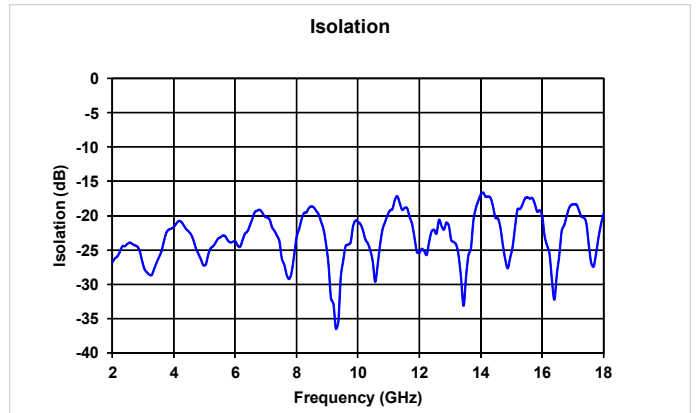
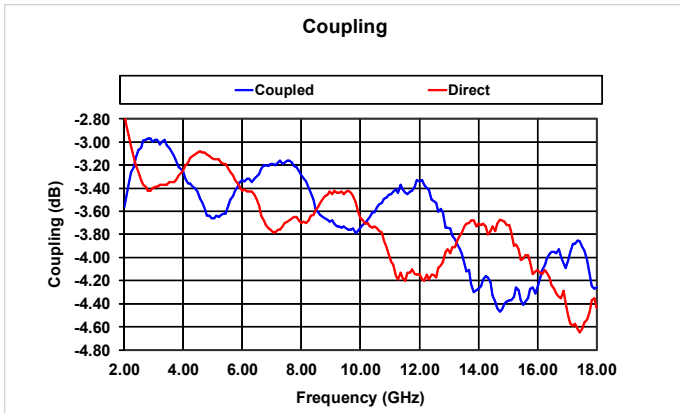
QHD quad hybrids are fusion bonded multilayer stripline assemblies. The fusion bonding process yields a homogeneous monolithic dielectric structure with reliability, ruggedness, and electrical performance that is superior to conventional adhesive bonding techniques.

PACKAGE OUTLINE



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PERFORMANCE DATA



TRUTH TABLE

TRUTH TABLE				
	1	2	3	4
1	Input	0°	90°	Iso
2	0°	Input	Iso	90°
3	90°	Iso	Input	0°
4	Iso	90°	0°	Input

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