

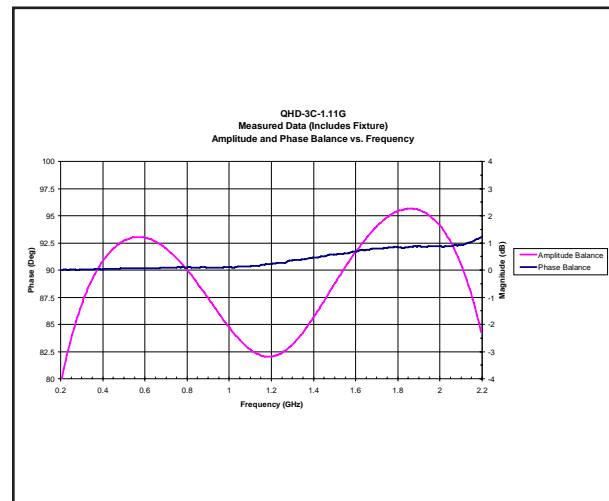
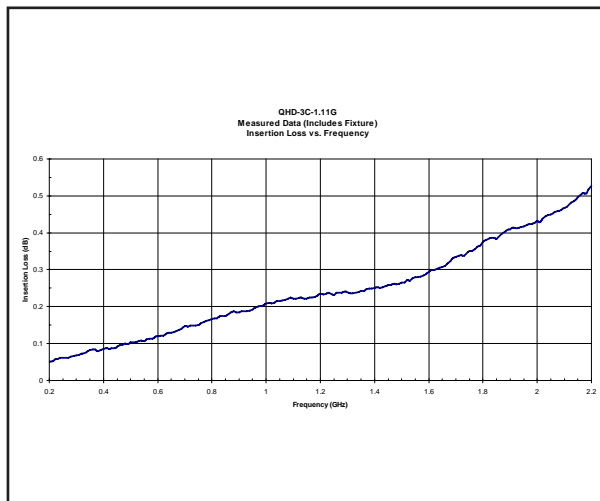
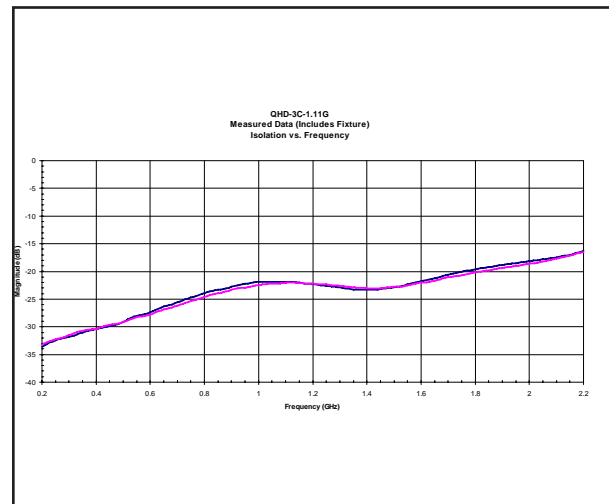
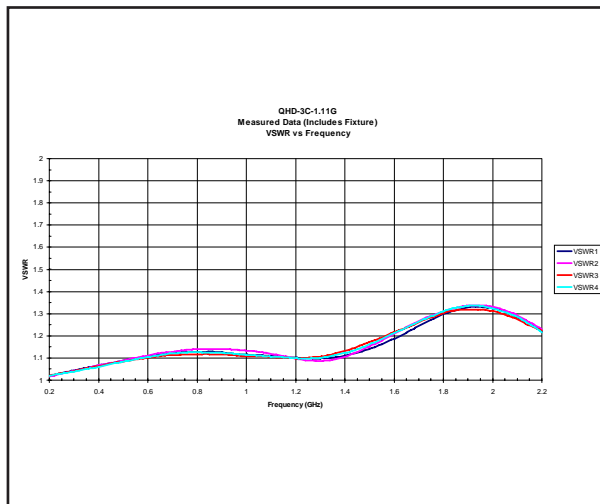
TECHNICAL DESCRIPTION / APPLICATION

MULTI-MIX® QUADS

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.

TYPICAL PERFORMANCE



THE MULTI-MIX MICROTECHNOLOGY® GROUP IS ISO-9001:2000 REGISTERED



U.S. patent 6,099,677 and other patents pending.

GENERAL SPECIFICATIONS

QHD-3C-1.11G

ELECTRICAL

FREQUENCY RANGE	0.225 TO 2.0 GHz
INSERTION LOSS	0.4 dB (MAX)
AMPLITUDE BALANCE	+/- 1.75 dB (MAX)
PHASE BALANCE	±5° (MAX)
ISOLATION	15 dB (MIN)
VSWR (ALL PORTS)	1.5:1 (MAX)
INPUT POWER (CW @ 1.3:1 OUTPUT VSWR)	200 W (TYP)

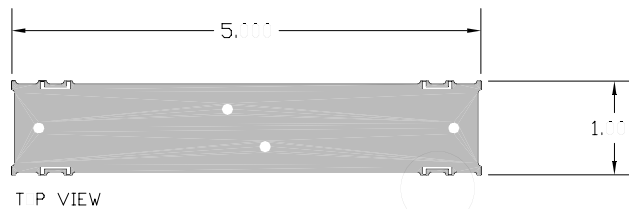
MECHANICAL

SIZE / OUTLINE	5.00 x 1.00 x 0.365 inches
WEIGHT	3 oz.
RF INTERFACE	Surface Mount

ENVIRONMENTAL

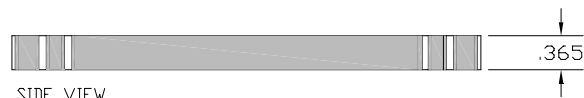
OPERATING TEMPERATURE RANGE	-55° To + 85°, C
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PACKAGE OUTLINE

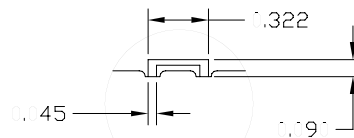


T.P. VIEW

SEE DETAIL A



SIDE VIEW



DETAIL A
SCALE 2:1

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