

Q20HGA-1090R

SURFACE MOUNT 20dB DIRECTIONAL COUPLER

REV 1.0.0



APPLICATIONS

- Signal sampling
- Signal injection
- Source leveling
- Signal isolation
- Power monitoring
- Reflection measurement

FEATURES

- Broadband 960 -1220 MHz
- High power
- Very low loss
- High directivity
- Flat coupling
- Dimensionally stable materials for best CTE match
- Lead-Free, RoHS compliant

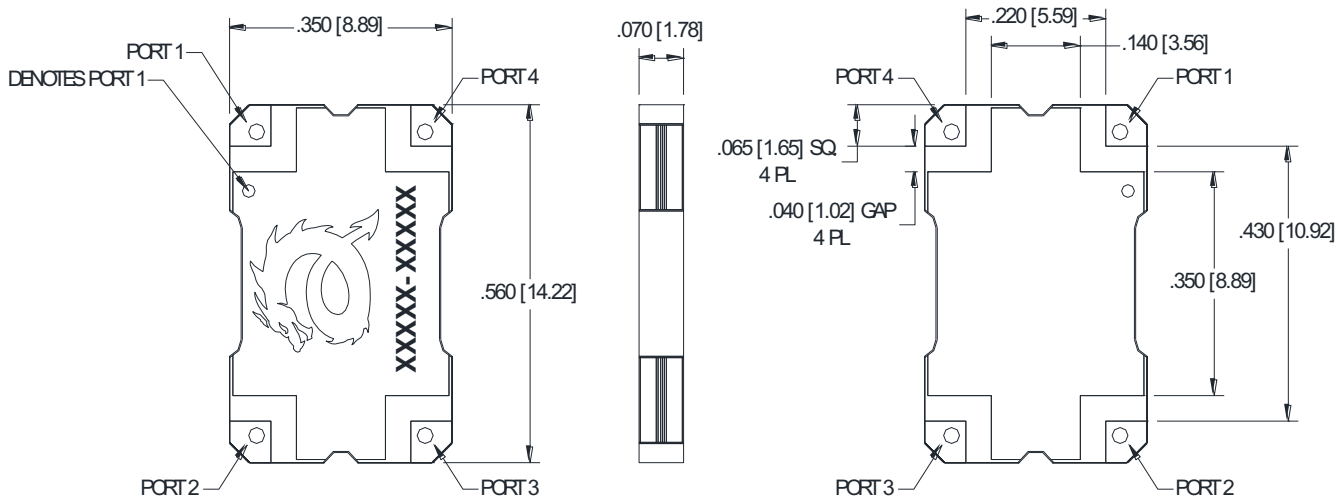
SPECIFICATIONS

TABLE 1: SPECIFICATIONS*

FREQ (MHz)	POWER (W)	PART NUMBER	INSERTION LOSS (dB)	MEAN COUPLING (dB)	DIRECTIVITY (dB)	VSWR	OPERATING TEMP (°C)
960-1220	200	Q20HGA-1090R	0.15	20 ± 0.75	20 min	1.15	-55 to +95

* Units tested with small signal using Electro-Photonics test board at 25°C. Specifications subject to change without notice.

MECHANICAL OUTLINE

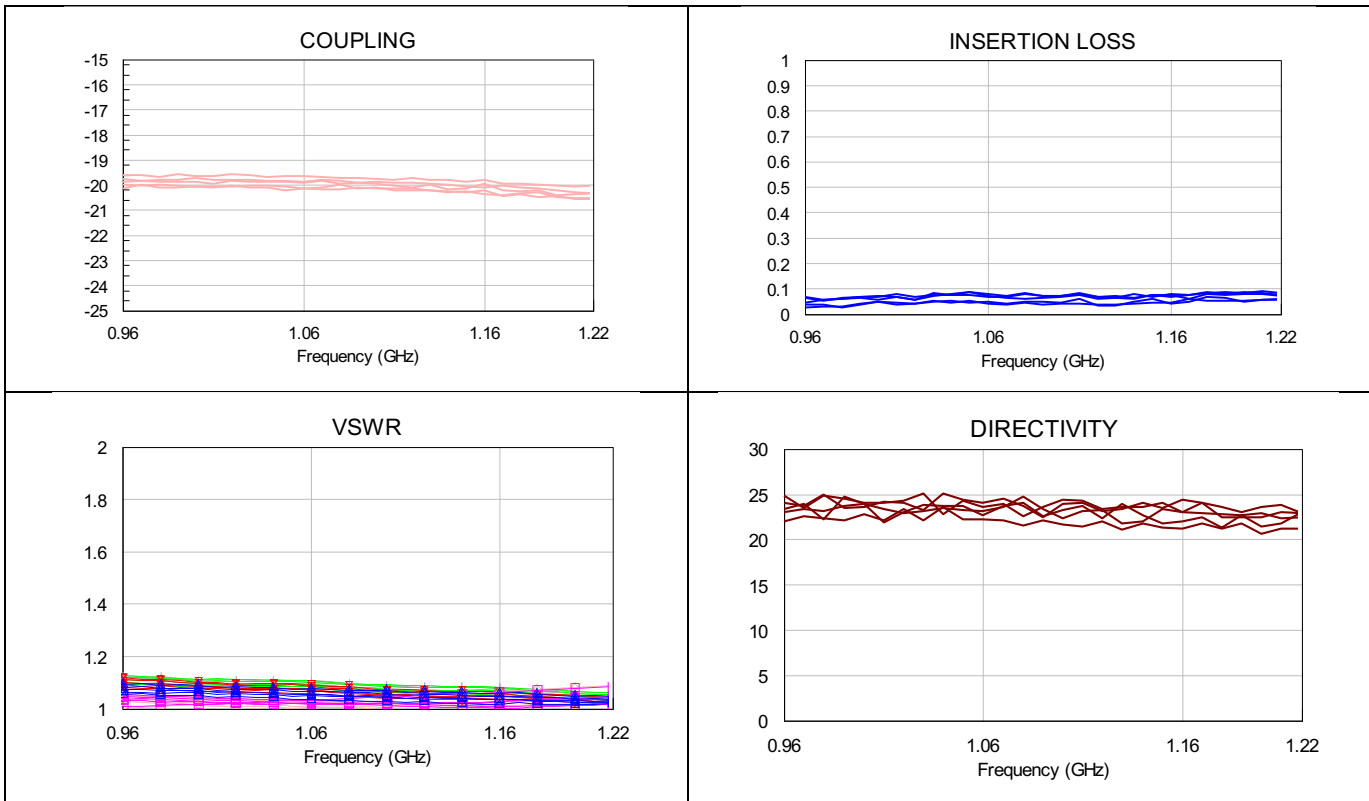


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TYPICAL PERFORMANCE



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ORDERING INFO*

* Consult sales (sales@electro-photonics.com) for custom configuration, size, footprint, and/or specifications. Tape & Reel available upon request (with minimum order quantities).

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①	②	③	④
PRODUCT CODE	SIZE	FREQUENCY	PLATING
20dB DIRECTIONAL COUPLER	A = .250 X .200 K = .283 X .197 B = .560 X .200 G = .560 X .350 D = .650 X .480 E = 1.00 X .500	MHz (SEE TABLE 1)	R = IMMERSION TIN E = ENIG (Electroless nickel immersion gold)



The Q20HGA-1090R is lead free, RoHS compliant product.