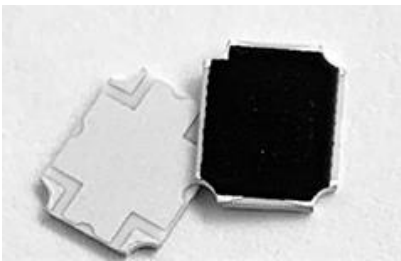


Q20HF-2250S

SURFACE MOUNT 20dB DIRECTIONAL COUPLER

REV 1.0.0



APPLICATIONS

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

FEATURES

- Broadband 1800 - 2700 MHz
- High power
- Low loss
- Flat coupling
- Compact and low profile
- Lead-Free

SPECIFICATIONS

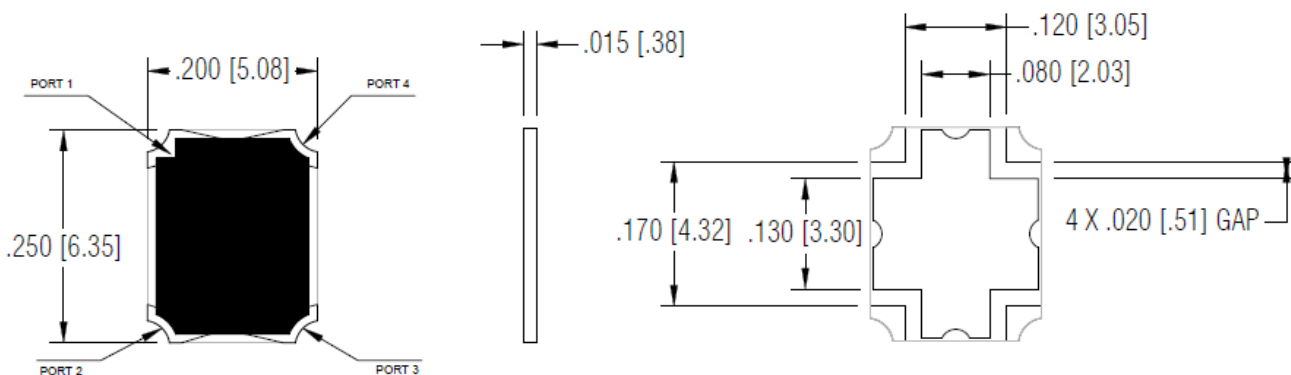
TABLE 1: TYPICAL SPECIFICATIONS*

FREQ (MHz)	POWER (W)	PART NUMBER	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	VSWR	OPERATING TEMP (°C)	Material
1800-2700	150	Q20HF-2250S	0.2	20 ± 1.25	16	1.15	-55 to +125	Alumina

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

MECHANICAL OUTLINE

Dimensions are *inches [mm]*.

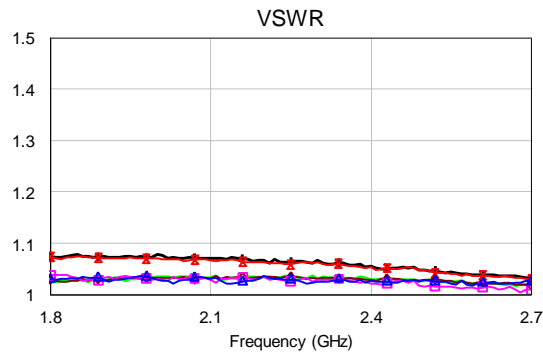
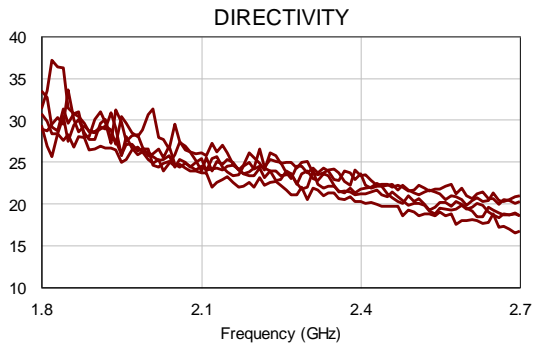
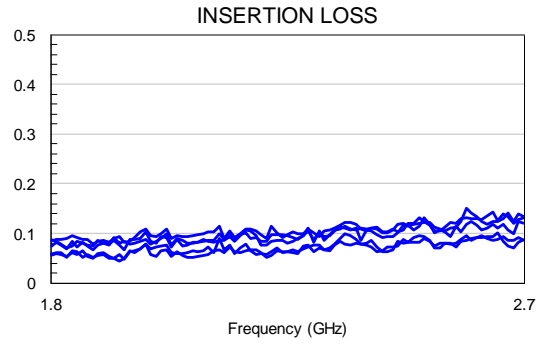
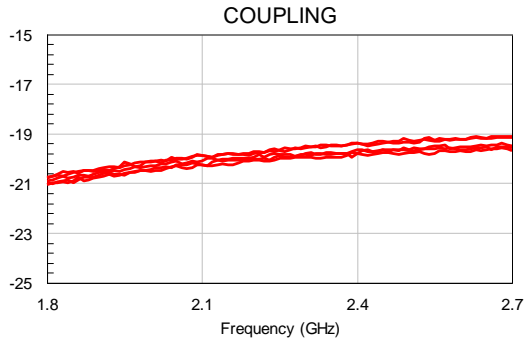


Q20HF-2250S

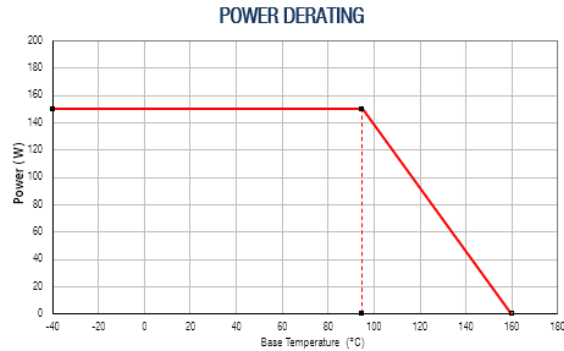
SURFACE MOUNT 20dB DIRECTIONAL COUPLER

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TYPICAL PERFORMANCE



POWER DERATING

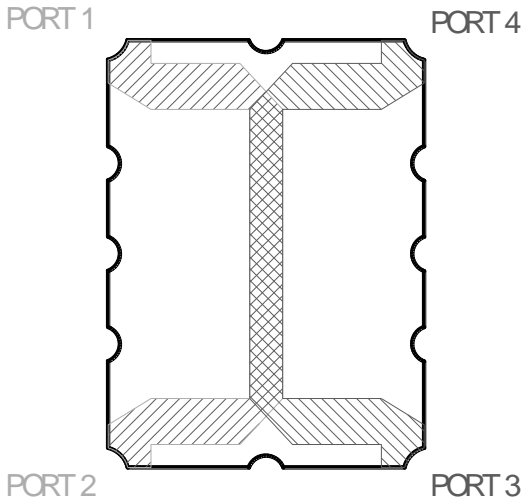


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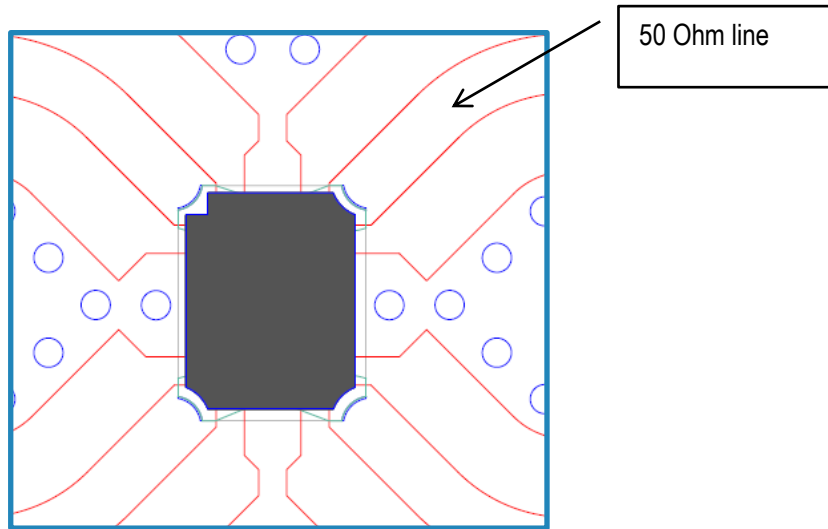
PIN CONFIGURATION



PORT 1	PORT 2	PORT 3	PORT 4
IN	DIRECT	ISOLATED	COUPLED
DIRECT	IN	COUPLED	ISOLATED
ISOLATED	COUPLED	IN	DIRECT
COUPLED	ISOLATED	DIRECT	IN

MOUNTING FOOTPRINT

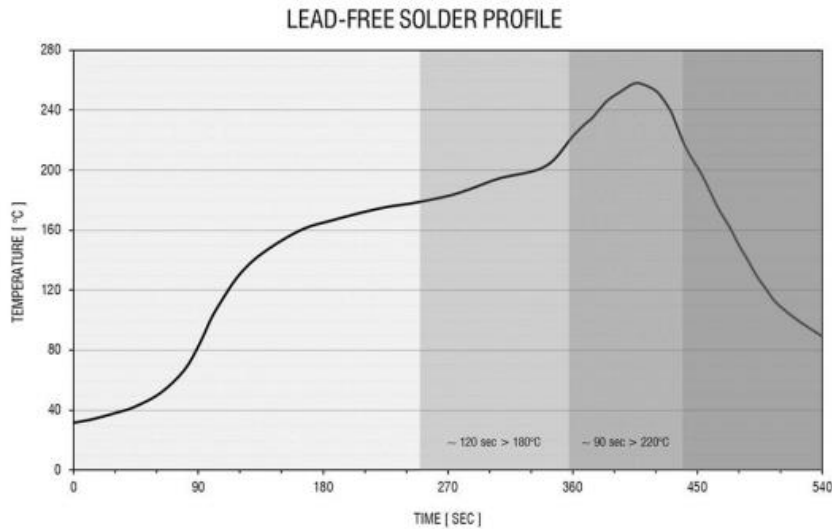
Electro-Photonics test board is designed using 30 mil RO4350B material. Land pattern design must be taken into consideration when using a different thickness and/or dielectric constant to achieve optimal performance.



Q20HF-2250S

SURFACE MOUNT 20dB DIRECTIONAL COUPLER

REV 1.0.0



Q20HF-2250S is lead free, RoHS compliant product.



ORDERING INFO*

* Tape & Reel available upon request (with minimum order quantities). Add dash T (- T) at the end of the part number for tape and reel.

Q 2 0 H F - 2 2 5 0 S
①
②
③
④

①	②	③	④
PRODUCT CODE	SIZE	FREQUENCY	
20dB DIRECTIONAL COUPLER	F = .250 X .200	MHz	S = SOLDERABLE SILVER