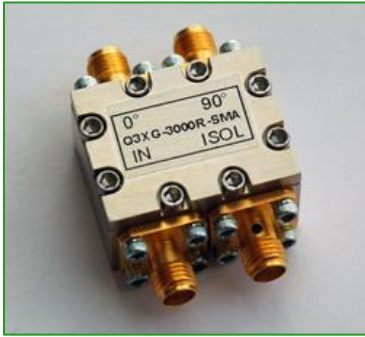


# Q3XG-3000R-SMA

SMA 3dB QUADRATURE (90°) HYBRID COUPLER

REV 1.0.0



## APPLICATIONS

- Signal Splitting/Combining
- Antenna beam-forming networks
- Balanced Amplifier Circuit
- I/Q Modulators/Demodulators
- Analog Phase Shifters
- Microwave Mixers
- Dividers/Combiners

## FEATURES

- Low insertion loss
- High isolation
- Low amplitude balance
- Low VSWR
- Compact and low profile
- Rugged Aluminum Housing
- High performance SMA connector

## SPECIFICATIONS

TABLE 1: TYPICAL SPECIFICATIONS\*

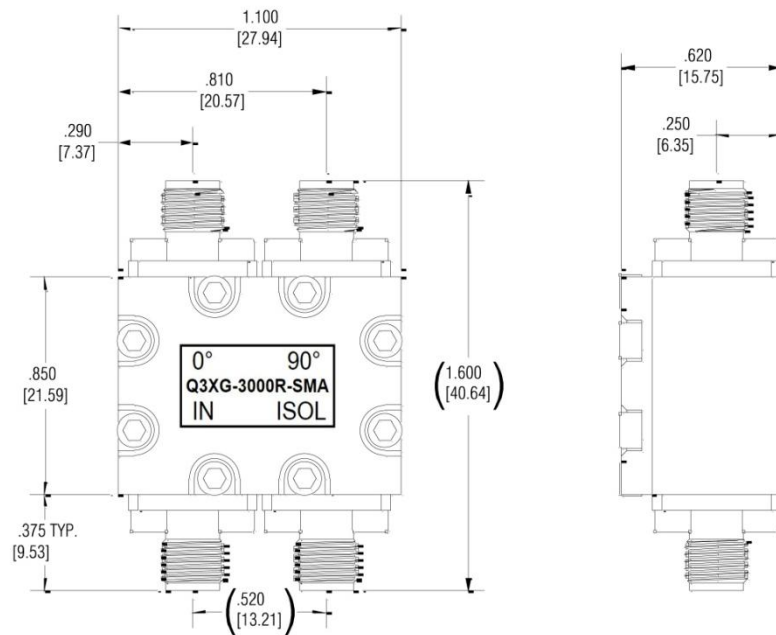
FREQ (MHz)	POWER (W)	PART NUMBER	INSERTION LOSS (dB)	AMPLITUDE BALANCE (dB)	ISOLATION (dB)	VSWR	PHASE BALANCE	OPERATING TEMP (°C)	ØJC (°C/W)
2000-4000	30	Q3XG-3000R-SMA	0.35	± 0.2	25	1.2	± 3°	-40 to +85	61

\* Units tested with small signal at 25°C. Specifications subject to change without notice.

## MECHANICAL

\* Dimensions are inches [millimeters].

- Housing: Aluminum
- Plating: Nickel
- Connectors: 18GHz SMA

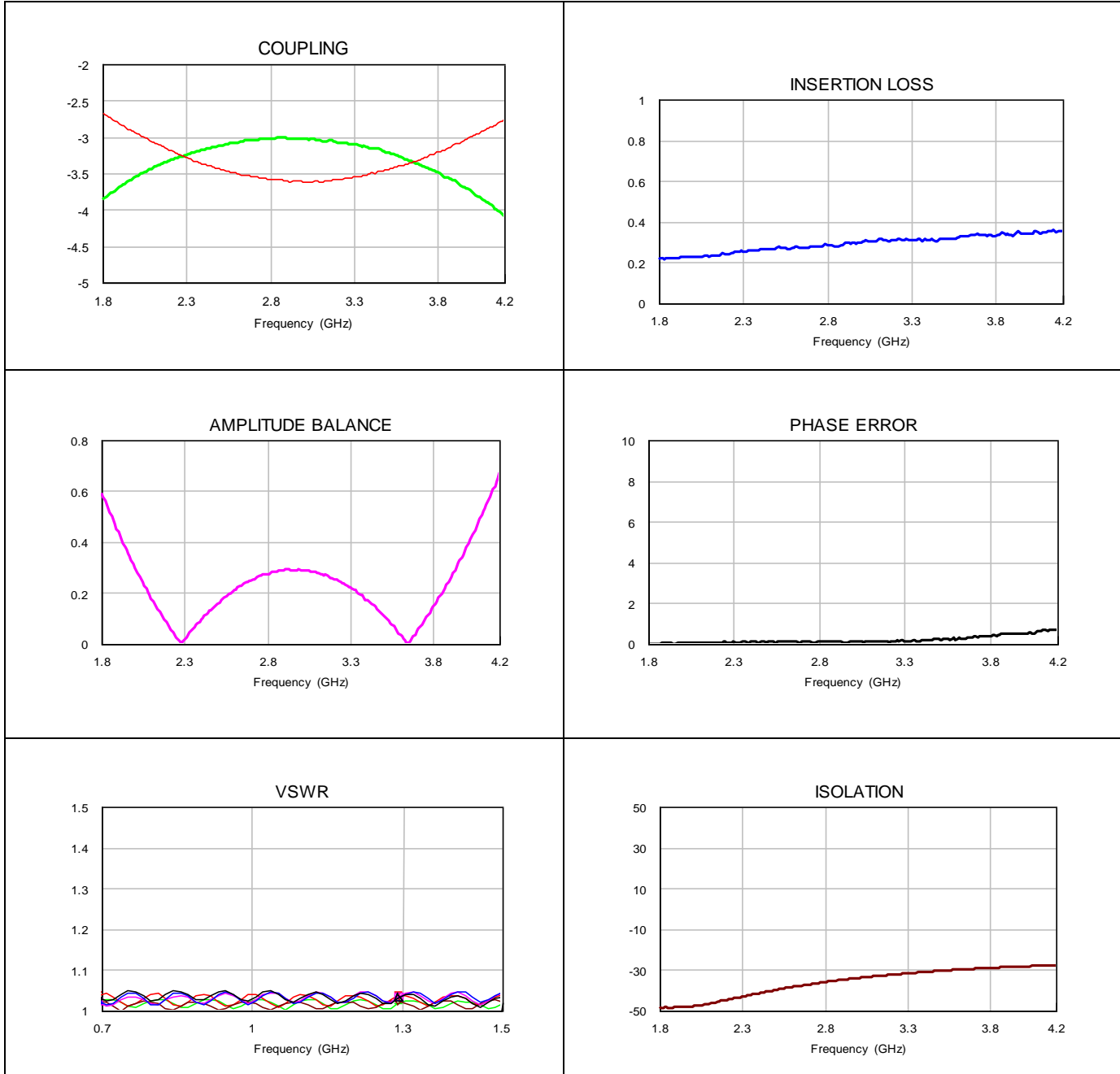


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## TYPICAL PERFORMANCE

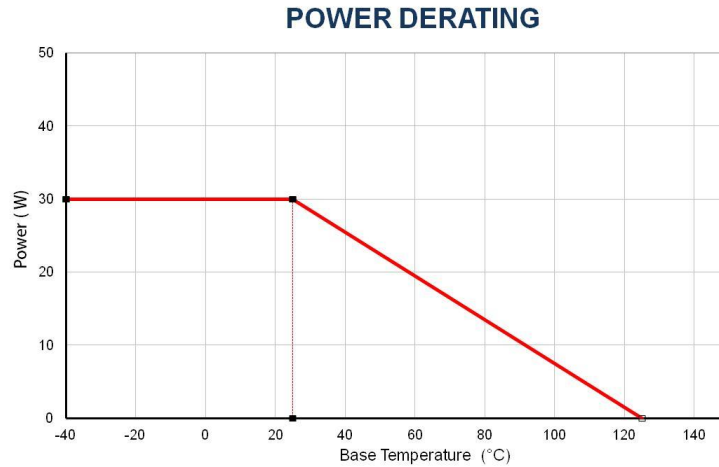


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## POWER DERATING



## ORDERING INFO

**Q 3 X G - 3 0 0 0 R S M A**

①

②

③

①

**PRODUCT CODE**

QUADRATURE 3dB 90°  
HYBRID

②

**FREQUENCY**

MHz

(SEE TABLE 1)

④

**Connector type**

SMA = SMA



The Q3XG-1500R-SMA is a lead free, RoHS compliant product.