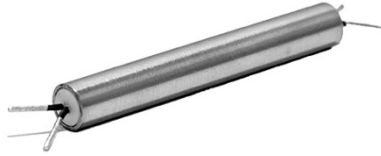


HW-R3N-1.81-S

3dB 90° HYBRID COUPLER

REV 1.0.0



APPLICATIONS

- Signal Splitting/Combining
- Amplifier Circuit
- Analog Variable Attenuators
- Microwave Mixers

FEATURES

- Broadband RF performance
- Low insertion loss
- High power handling
- Low amplitude balance

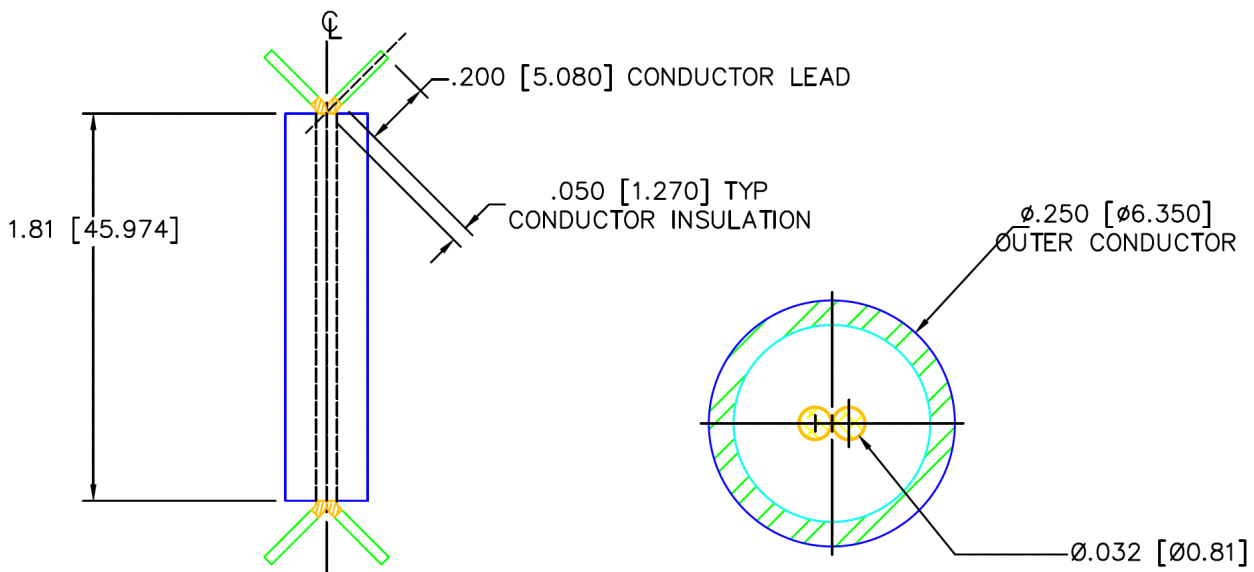
TARGET SPECIFICATIONS

POWER (W)	PART NUMBER	FREQUENCY (MHz)	INSERTION LOSS (dB)	AMPLITUDE BALANCE (dB)	ISOLATION (dB)	VSWR	PHASE BALANCE
500*	HW-R3N-1.81-S	600 - 1300	0.2	± 0.4	27	1.2	± 4

* At jacket temperature of 55°C

MECHANICAL OUTLINE

* Dimensions are inches [millimeters].



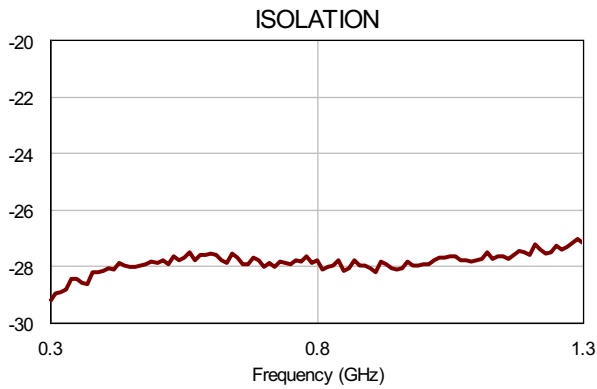
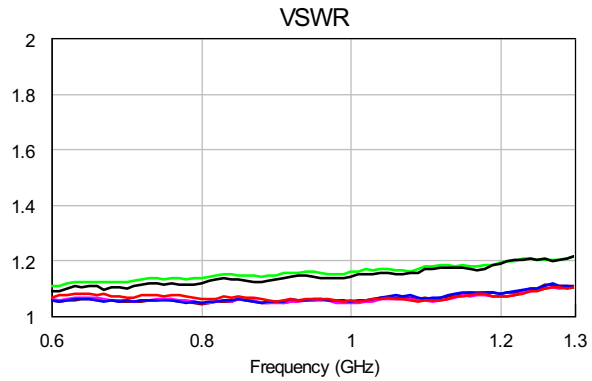
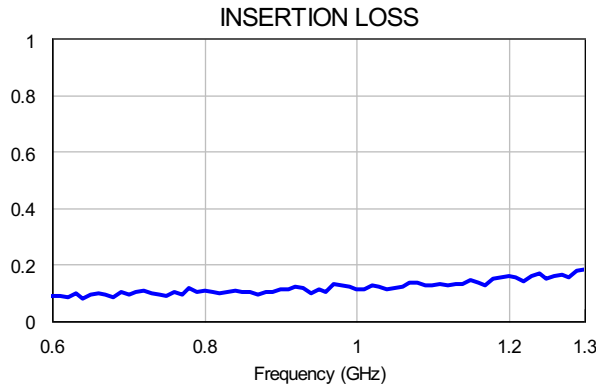
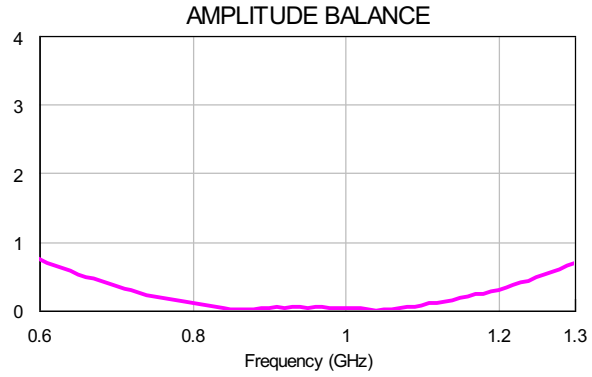
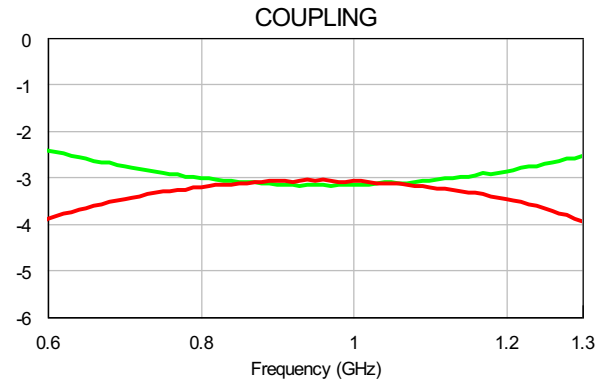
Note: Body is Nickle plate copper

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TYPICAL PERFORMANCE



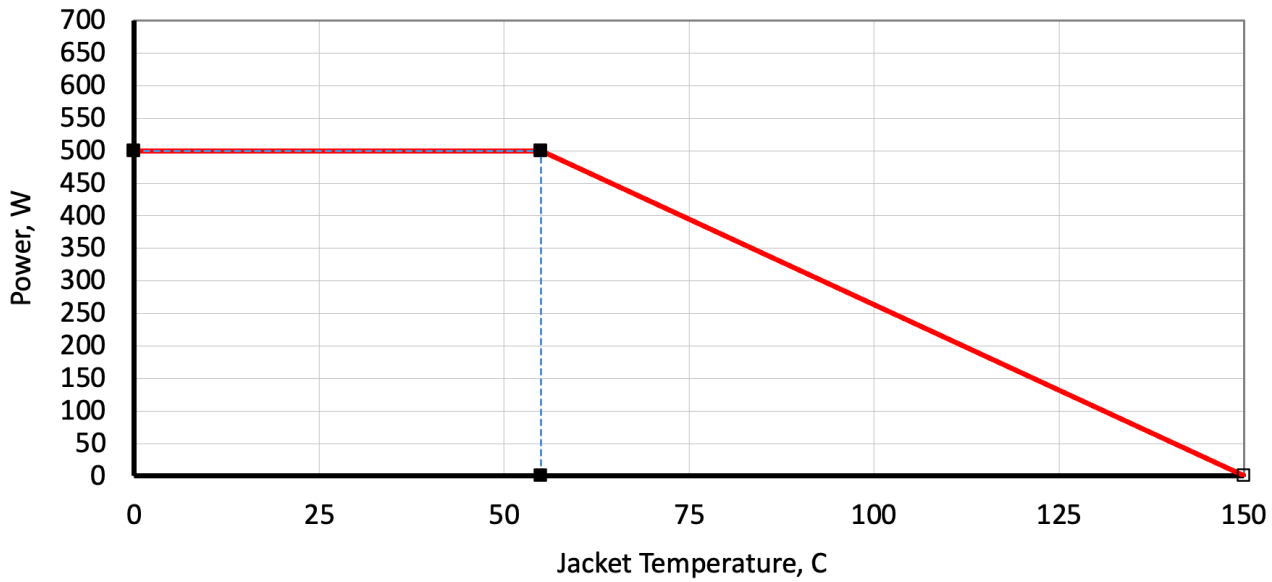
HW-R3N-1.81-S

3dB 90° HYBRID COUPLER

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POWER

POWER DERATING



ORDERING INFO

H W - R 3 N - 1 . 8 1 - S

①	②	③	④	⑤	⑥	⑦
PRODUCT CODE	ROUND	3dB	N = NON-CROSSOVER X = crossover	LENGTH (inch)	PLATING	PACKAGING
	R= round				T = Tin B - Bare S = Solder	BULK