

## Crossband Coupler

### Electrical Specifications

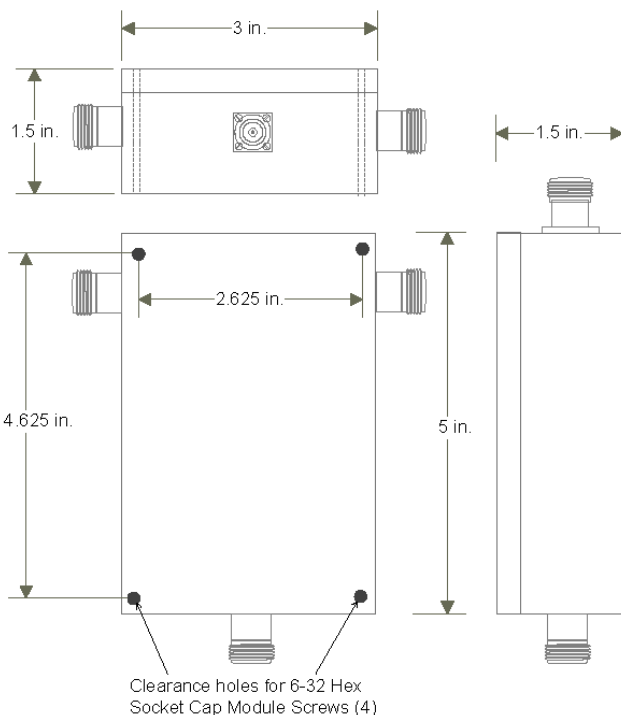
Frequency Band	406-512, 806-960 MHz
Passband Width	≤ 50 MHz @ UHF, ≤ 75 MHz @ HUFH
Input Power (Peak)	125 W
Insertion Loss (Max.)	0.7 dB
Duty Cycle Tx	100%
Isolation (Typ.)	60 dB
VSWR (Max.)	1.5:1
Heat Load	125 W
Impedance (Nom.)	50 Ω
RF Connectors	N Female

### Mechanical Specifications

Finish	Gray Paint
Overall Size (HxWxD)	5" x 3" x 1.5" (127 x 76 x 38 mm)
Net Weight	1.5 lbs (0.7 kg)
Ship Weight	3 lbs (1.4 kg)

### Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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EMR 6050 Series Crossband Coupler uses aluminum alloy outdoor enclosure with 3 type N Female RF connectors and a standardized 3 inch x 5 inch mounting footprint. The coupler versions of this product line allow two separate 125 Watt VHF or UHF transmitters to be used with one multi-band or broadband antenna, saving transmission line cost and cable plenum space.

### Product Features

- Weatherproof seal
- VHF and UHF Bands
- 125 watts