

# Wideband Hybrid Coupler

## HC-FR2NI / HC-FR2AI

Low PIM(-161dBc), Hybrid 2x2, 340-2700MHz, N-type, 4.3-10

- Wideband design covering 340-2700MHz
  - Public Safety Band (UHF & 700/800), up to 2.7GHz
- Connects 2 inputs to 2 outputs
- Suitable for indoor/outdoor environment
- High reliability and low insertion loss



### Electrical Specification

Product Model	HC-FR2NI	HC-FR2AI
Frequency (MHz)	340-2700	
Coupling Value (dB)	3.1 ± 0.7	
Insertion Loss (dB)	≤ 0.7	
VSWR @ all ports	≤ 1.25	
Isolation (dB)	≥ 23	
PIM (dBc)	≤ -161 @ 2 x 43dBm	
Average Power, max (W)	300	
Peak Power, max (W)	1000	
Impedance (ohm)	50	

### Mechanical Specification

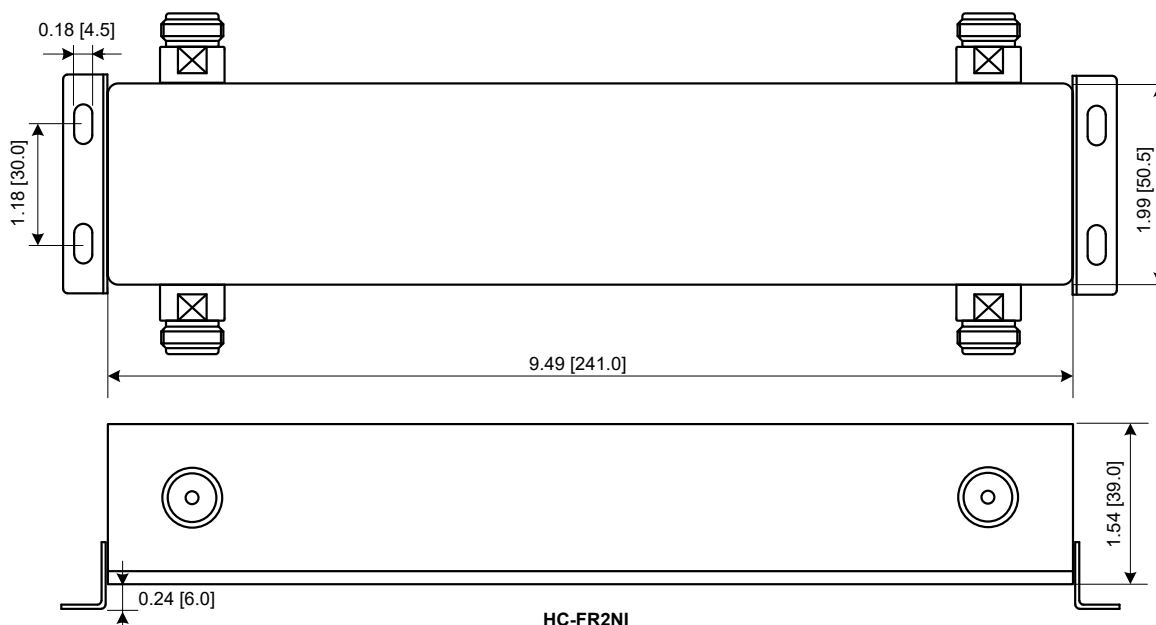
Dimension (in/mm)	9.29x2.13x1.14 / 241.0x54.5x29.0
Weight (lb/kg)	2.43 / 1.1
Shipping Dimension (in/mm)	12.40x3.94x2.56 / 315.0x100.0x65.0
Shipping Weight (lb/kg)	2.65 / 1.2
Connector	HC-FR2NI; N-type / HC-FR2AI; 4.3-10

### Environment & Compliance

Application	Outdoor / Indoor
Operating Temperature	-40°C to +85°C
Environment	IP65
Relative Humidity	Up to 95%
RoHS	Compliant

### Outline Drawing

Unit : inches [mm]



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