10 dB, Low PIM Air Directional Coupler, 340–2700 MHz

Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- EMEA
- Latin America
- North America

Product Type
- Directional coupler

General Specifications

Device Type
- Coupler

Application
- Indoor/Outdoor

Color
- Silver

Inner Contact Plating
- Silver

Interface
- N Female

Outer Contact Plating
- Trimetal

Dimensions

Height
- 23 mm | 0.906 in

Width
- 76 mm | 2.992 in

Length
- 211 mm | 8.307 in

Electrical Specifications

3rd Order IMD
- -160 dBc

3rd Order IMD Test Method
- Two +43 dBm carriers

Insertion Loss at Frequency Band
- 0.8 dB @ 340–2700 MHz

Return Loss, minimum
- 20.8 dB

Average Power, maximum
- 200 W

Coupling
- 10 dB

Coupling Tolerance
- ±1.2 dB @ 380–2700 MHz | ±1.7 dB @ 340–380 MHz
Impedance: 50 ohm
Isolation at Frequency Band: 30 dB @ 340–2700 MHz
Operating Frequency Band: 340 – 2700 MHz
Peak Power, maximum: 1 kW
Reflected Power, maximum: 100 W
VSWR: 1.2

Environmental Specifications

Operating Temperature: -25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity: Up to 100%

Packaging and Weights

Height, packed: 42 mm | 1.654 in
Width, packed: 77 mm | 3.031 in
Length, packed: 258 mm | 10.157 in
Weight, gross: 0.58 kg | 1.279 lb
Weight, net: 0.52 kg | 1.146 lb

Regulatory Compliance/Certifications

Agency | Classification
--- | ---
CHINA-ROHS | Below maximum concentration value
ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system
REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS | Compliant