15 dB, Air Directional Coupler, 555–6000 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
White

Inner Contact Plating
Silver

Interface
N Female

Outer Contact Plating
Trimetal

Dimensions

Height
22 mm | 0.866 in

Width
72 mm | 2.835 in

Length
159 mm | 6.26 in

Electrical Specifications

3rd Order IMD
-163 dBc

3rd Order IMD Test Method
Two +43 dBm carriers

Insertion Loss at Frequency Band
0.5 dB @ 555–6000 MHz

Average Power, maximum
200 W

Coupling
15 dB

Coupling Tolerance
±1.3dB

Impedance
50 ohm

Isolation at Frequency Band
28 dB @ 4900–6000 MHz | 33 dB @ 2700–3800 MHz | 33 dB @ 3800–4900 MHz | 33 dB @ 555–2700 MHz

Operating Frequency Band
555 – 6000 MHz
**Peak Power, maximum**  
1 kW

**Reflected Power, maximum**  
200 W

**VSWR at Frequency Band**  
1.25:1 @ 2700–3800 MHz | 1.2:1 @ 555–2700 MHz | 1.3:1 @ 3800–6000 MHz

**Mechanical Specifications**

**Coupling Nut Proof Torque**  
4.5 N-m | 39.828 in lb

**Environmental Specifications**

**Operating Temperature**  
-35 °C to +85 °C (-31 °F to +185 °F)

**Relative Humidity**  
Up to 100%

**Corrosion Test Method**  
IEC 60068-2-11, 30 days

**Ingress Protection Test Method**  
IEC 60529:2001, IP67

**Packaging and Weights**

**Height, packed**  
45 mm | 1.772 in

**Width, packed**  
98 mm | 3.858 in

**Length, packed**  
180 mm | 7.087 in

**Weight, gross**  
0.44 kg | 0.97 lb

**Weight, net**  
0.38 kg | 0.838 lb

**Regulatory Compliance/Certifications**

**Agency**  
ISO 9001:2015

**Classification**  
Designed, manufactured and/or distributed under this quality management system