13 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
- 13 dB

Coupling Tolerance
- ±1.3dB

Impedance
- 50 ohm

Isolation at Frequency Band
- 26 dB @ 4900–6000 MHz | 29 dB @ 3800–4900 MHz | 31 dB @ 2700–3800 MHz
C-13-UW-N-A16

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