



5211BHRF20AC Specifications

Motorola Canopy 5.2GHz Backhaul 20 Mbps Signaling Rate with reflector and AES - 5211BHRF20AC. Adding another layer of encryption (AES) to the Canopy wireless broadband platform further secures sensitive data by providing a 128-bit encryption more secure than other encryption programs such as filtering, Wired Equivalent Protocol (WEP), Secure Sockets Layer (SSL) and Transport Layer Security (TLS) and Triple Data Encryption Standard (3DES)

- Two units are required for a complete link.
- Power Supply, Surge Suppressor and Mounting Bracket sold separately.

Description	• 5.2GHz Backhaul Module 10 Mbps AES
Canopy Part Number	• 5211BHRF20AC
Market Availability	• North America, South America, Asia
Signaling Rate	• 20 Mbps
Typical LOS Range	• 5 mi (8km)
Typical Aggregate Useful Throughput	• 14.0 Mbps
Frequency range of band	• U-NII 5250-5350 MHz
Non-overlapping Channels	• 3
Channel Width	• 20 MHz
Channel Spacing	• every 5 MHz
Modulation Type	• High Index 4-level Frequency Shift Keying (FSK) optimized for interference rejection
Encryption	• FIPS 197 certified AES capable
Latency	• 2.5 msec
Carrier to Interference ratio (C/I)	• ~3dB @ 10 Mbps, ~10dB @ 20 Mbps at -65dBm
Nominal Receiver Sensitivity (dbm typical)	• -79
Antenna Gain (dB)	• 7
Reflector Gain	• 18
EIRP (dB)	• 30
Equivalent Isotropic Radiated Power (EIRP)	• 1.3 W
DC Power (typical)	• 0.34 A @ 24 VDC = 8.2 W
Antenna Beam Width	• 3 dB antenna beam width 6 degrees, Azimuth and Elevation with Reflector
DC Power (typical)	• 0.34 A @ 24 VDC = 8.2 W
Temperature	• -40° C to +55° C (-40° F to +131° F)
Wind Survival	• 190 km/hr (118 miles/hr)
Dimensions	• 11.75 in H x 3.4 in W x 3.4 in D (29.9 cm H x 8.6 cm W x 8.6 cm D)
Weight	• .45 kg (1 lb), 3.0 kg (6.5 lbs) with passive reflector
Access Method	• Time Division Duplex (TDD)
Interface	• 10/100 Base T, half/full duplex. Rate auto negotiated (802.3 compliant)
Protocols Used	• IPV4, UDP, TCP, ICMP, Telnet, HTTP, FTP, SNMP
Network Management	• HTTP, TELNET, FTP, SNMP Version 2c
FIPS	• AES product is FIPS 197 certified
Encryption	• FIPS 197 certified AES capable

Specification subject to change without notice, check before placing orders

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