



5211BHRFBC Specifications

Motorola Canopy 5.2GHz Backhaul 10 Mbps Signaling Rate with reflector and AES - 5211BHRFBC. 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	<ul style="list-style-type: none">• 5.2GHz Backhaul Module 10 Mbps AES
Canopy Part Number	<ul style="list-style-type: none">• 5211BHRFBC
Market Availability	<ul style="list-style-type: none">• North America, South America, Asia
Signaling Rate	<ul style="list-style-type: none">• 10 Mbps
Typical LOS Range	<ul style="list-style-type: none">• 10 mi (16 km)
Typical Aggregate Useful Throughput	<ul style="list-style-type: none">• 7.5 Mbps
Frequency range of band	<ul style="list-style-type: none">• U-NII 5250-5350 MHz
Non-overlapping Channels	<ul style="list-style-type: none">• 3
Channel Width	<ul style="list-style-type: none">• 20 MHz
Channel Spacing	<ul style="list-style-type: none">• every 2.5 MHz
Modulation Type	<ul style="list-style-type: none">• High Index 2-level Frequency Shift Keying (FSK) optimized for interference rejection
Encryption	<ul style="list-style-type: none">• FIPS 197 certified AES capable
Latency	<ul style="list-style-type: none">• 2.5 msec
Carrier to Interference ratio (C/I)	<ul style="list-style-type: none">• ~3dB @ 10 Mbps, ~10dB @ 20 Mbps at -65dBm
Nominal Receiver Sensitivity (dbm typical)	<ul style="list-style-type: none">• -86 dBm
Antenna Gain (dB)	<ul style="list-style-type: none">• 7 dB
Reflector Gain	<ul style="list-style-type: none">• 18 dB
Antenna Beam Width	<ul style="list-style-type: none">• 3 dB antenna beam width 6 degrees, Azimuth and Elevation with Reflector
EIRP (dB)	<ul style="list-style-type: none">• 30
Equivalent Isotropic Radiated Power (EIRP)	<ul style="list-style-type: none">• 1.3 W
DC Power (typical)	<ul style="list-style-type: none">• 0.34 A @ 24 VDC = 8.2 W
Temperature	<ul style="list-style-type: none">• -40° C to +55° C (-40° F to +131° F)
Wind Survival	<ul style="list-style-type: none">• 190 km/hr (118 miles/hr)
Dimensions	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• .45 kg (1 lb), 3.0 kg (6.5 lbs) with passive reflector
Access Method	<ul style="list-style-type: none">• Time Division Duplex (TDD)
Interface	<ul style="list-style-type: none">• 10/100 Base T, half/full duplex. Rate auto negotiated (802.3 compliant)
Protocols Used	<ul style="list-style-type: none">• IPV4, UDP, TCP, ICMP, Telnet, HTTP, FTP, SNMP
Network Management	<ul style="list-style-type: none">• HTTP, TELNET, FTP, SNMP Version 2c
FIPS	<ul style="list-style-type: none">• AES product is FIPS 197 certified
Encryption	<ul style="list-style-type: none">• FIPS 197 certified AES capable

Specification subject to change without notice, check before placing orders

Your Notes

1. _____
2. _____
3. _____