



5701BHRF20BC Specifications

Motorola Canopy 5.7GHz Backhaul Module 20 Mbps signaling rate with Reflector kit and AES - 5701BHRF20BC, Adding another layer of encryption (AES) to the Canopy wireless broadband platform further secures sensitive data by providing a 128-bit encryption.

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

Description	• 5.7 GHz Backhaul, 20 Mb, with Reflector
Canopy Part Number	• 5701BHRF20
Market Availability	• North America, Europe, South America, Asia
Signaling Rate	• 20 Mbps
Typical LOS Range	• 35 mi (56 km)
Typical Aggregate Useful Throughput	• 14.0 Mbps
Frequency range of band	• ISM 5725-5850 MHz
Non-overlapping Channels	• 6
Channel Width	• 20 MHz
Channel Spacing	• every 5 MHz
Modulation Type	• High Index 4-level Frequency Shift Keying (BFSK) optimized for interference rejection, 4-Level FSK
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 dB
Antenna Gain (dB)	• 7 dB
Reflector Gain	• 18 dB
EIRP (dB)	• 48 dB
Equivalent Isotropic Radiated Power (EIRP)	• 63 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
Temperature	• -40° C to +55° C (-40° F to +131° F)
Wind Survival	• 190 km/hr (118 miles/hr)
Dimensions	• Module: 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). Passive Reflector: 18 inch H x 24 in W (45 cm H x 60 cm W)
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
FCC ID	• ABZ89FC5804
Industry Canada	• 109W-5700
NYCE	• 0202CE08128
FIPS	• AES product is FIPS 197 certified

Specification subject to change without notice, check before placing orders

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