



# 2400BHRFBC Specifications

## Motorola Canopy 2.4GHz Backhaul Module 10 Mbps signaling rate with Reflector kit, 2400BHRFBC,

10Mbps signaling rate, 10/100 baseT, half/full duplex. rate auto negotiated(802.3 compliant). Dimension: 1.75"H x 3.4"W x 3.4"D.

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

Description	• 2.4 GHz Backhaul Module 10 Mbps with Reflector
Canopy Part Number	• 2400BHRFBC
Market Availability	• North America, South America, Asia
Signaling Rate	• 10 Mbps
Typical LOS Range	• 35 mi (56 km)
Typical Aggregate Useful Throughput	• 7.5 Mbps
Frequency range of band	• ISM 2400-2483.5 MHz
Non-overlapping Channels	• 3
Channel Width	• 20 MHz
Channel Spacing	• every 2.5 MHz
Modulation Type	• High Index 2-level Frequency Shift Keying (FSK) optimized for interference rejection
Encryption	• DES capable
Latency	• 2.5 msec
Carrier to Interference ratio (C/I)	• ~3dB @ 10 Mbps, ~10dB @ 20 Mbps at -65dBm
Nominal Receiver Sensitivity (dbm typical)	• -86 dBm
Antenna Gain (dB)	• 8 dB
Reflector Gain	• 11 dB
EIRP (dB)	• Adjustable
Equivalent Isotropic Radiated Power (EIRP)	• Adjustable to 12.0 W
DC Power (typical)	• 0.34 A @ 24 VDC = 8.2 W
Antenna Beam Width	• 3 dB antenna beam width 17 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

*Specification subject to change without notice, check before placing orders*

### Your Notes

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