



# 5210BHRFBC Specifications

## Motorola Canopy 5.2GHz Backhaul Module 10 Mbps signaling rate with Reflector kit, 5210BHRFBC,

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.
- (4 unit bundle pack available as PN HK1395A)

<b>Description</b>	• 5.2 GHz Extended Range Backhaul Module 10 Mbps with Reflector
<b>Canopy Part Number</b>	• 5210BHRFBC
<b>Signaling Rate</b>	• 10 Mbps
<b>Typical LOS Range</b>	• 10 mi (16 km)
<b>Typical Aggregate Useful Throughput</b>	• 7.5 Mbps
<b>Frequency range of band</b>	• U-NII 5250-5350 MHz
<b>Non-overlapping Channels</b>	• 3
<b>Channel Width</b>	• 20 MHz
<b>Channel Spacing</b>	• every 5 MHz
<b>Modulation Type</b>	• High Index 2-level Frequency Shift Keying (FSK) optimized for interference rejection
<b>Encryption</b>	• DES capable
<b>Latency</b>	• 2.5 msec
<b>Carrier to Interference ratio (C/I)</b>	• ~3dB @ 10 Mbps, ~10dB @ 20 Mbps at -65dBm
<b>Nominal Receiver Sensitivity (dbm typical)</b>	• -86 dB
<b>Antenna Gain (dB)</b>	• 7 dB
<b>Reflector Gain</b>	• 18 dB
<b>EIRP (dB)</b>	• 30 dB
<b>Equivalent Isotropic Radiated Power (EIRP)</b>	• 1.3 W
<b>DC Power (typical)</b>	• 0.34 A @ 24 VDC = 8.2 W
<b>Antenna Beam Width</b>	• 3 dB antenna beam width 6 degrees, Azimuth and Elevation with Reflector
<b>Temperature</b>	• -40° C to +55° C (-40° F to +131° F)
<b>Wind Survival</b>	• 190 km/hr (118 miles/hr)
<b>Dimensions</b>	• 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)
<b>Weight</b>	• .45 kg (1 lb), 3.0 kg (6.5 lbs) with passive reflector
<b>Access Method</b>	• Time Division Duplex (TDD)
<b>Interface</b>	• 10/100 Base T, half/full duplex. Rate auto negotiated (802.3 compliant)
<b>Protocols Used</b>	• IPV4, UDP, TCP, ICMP, Telnet, HTTP, FTP, SNMP Version 2C
<b>Network Management</b>	• HTTP, TELNET, FTP, SNMP Version 2c

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

## Your Notes

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