

Motorola Canopy

CSM 57100: 5.7 GHz Horizontally Polarized SM



Canopy Part Number	5700SMHZ
Description	CSM 57100: 5.7 GHz Horizontally Polarized SM
Signaling Rate	10 Mbps, 20 Mbps with Advantage AP
Typical LOS Range	2 mi (3.2 km), 10 mi (16 km) with reflector
Typical Aggregate Useful Throughput	7 Mbps
Frequency range of band	ISM 5725-5850 MHz
Non-overlapping Channels	6
Channel Width	20 MHz
Modulation Type	High Index 2-level and 4-level Frequency Shift Keying (FSK) optimized for interference rejection
Channel Spacing	configurable on 5 MHz increments
Encryption	DES capable
Latency	6 msec with Advantage AP, 15 msec with Canopy AP
Carrier to Interference ratio (C/I)	-3dB @ 10 Mbps, -10dB @ 20 Mbps at -65dBm
Nominal Receiver Sensitivity (dbm typical)	-86 dBm
Antenna Gain (dBi)	7 dB
Reflector Gain	optional
EIRP (dBm)	30 dBm (48 dBm with reflector optional where approved)
Equivalent Isotropic Radiated Power (EIRP)	1 W (63 W with reflector optional where approved)
DC Power (typical)	0.3 A @ 24 VDC = 7.2 W
Antenna Beam Width	3 dB antenna beam width 60 degrees, Azimuth and Elevation
Mean Time Between Failure (MTBF)	40 yr
Temperature	-40 degrees C to +55 degrees C (-40 degrees F to +131 degrees 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)
Access Method	Time Division Duplexing/Time Division Multiple Access (TDD/TDMA)
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 Certification Number	109W-5700
NYCE	0202CE08128