



Compass597 Encapsulating Monopole and Slot Antenna Specification:

Electrical, Mechanical and Environmental Specifications:

Mechanical Structure:	Encapsulating Monopole, Slot Antenna
RF connector:	Directly attached to PCB
Impedance:	50 Ohms nominal
Bands of Operation:	
-824-894MHz	North America, CDMA800
-1850-1990MHz	North America, CDMA PCS
-1575MHz	GPS
VSWR:	< 3.5:1 for all bands
Typical Antenna Gain:	
-824-894MHz	1.3dBi (max), .5dBi (avg)
-1850-1990MHz	2.7dBi (max), 2.0dBi (avg.)
Typical Efficiency:	
-824-894MHz	25%-60%
-1850-1990MHz	25%-55%
-1575Mhz	40%
Power Handling:	2W low-band and 1W high-band
Operating Temperature:	-30C to +85C
Storage Temperature:	-30C to +85C
Humidity:	95% (non-condensing)