



Mechanical/Environmental

Characteristics	Typical Performance
Power	VDC (+24 or -48 V) input – 15 Watts (max) Three 5-amp breakers or fuses
Weight	46 lbs per module (sector)
Size	5.75"W x 24.5"D x 10.5"H
BTS Antenna Connectors	7/16 DIN-female
Ambient Temperature	0° C to +50° C
Enclosure Environment	Compact indoor 1/3 rack-mount
Mounting	Indoor 19" or 23" equipment rack or cable tray
Lightning Protection	Shorted stubs in duplexer protect RF path Internal protection for alarm and DC paths
Reliability Features	Redundant architecture protects each sector against outages
Alarming	Form C contacts for fault diagnosis

Features & Benefits:

- > Integrated dual-duplexed receiver front-end in a compact indoor 1/3 rack
- > Increased sensitivity from a convenient ground-based package
- > Reduction in dropped and blocked calls
- > Increased capacity utilization, improved coverage, and higher data throughput
- > Compact modular 2-pack design - *three systems required per sectorized site*
- > Redundant architecture for Main/Diversity paths

Transmit Channel

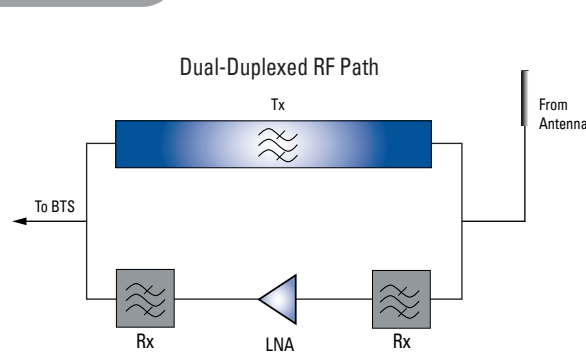
Characteristics	Typical Performance
Tx Passband	1930 - 1990 MHz
Tx Insertion Loss	0.3 dB
Passband VSWR	1.2:1
Tx Power Handling	300 Watts CW / 3.0 kW peak pulse

Receive Channel

Typical Performance

PCS Full-Band	
Rx Passband	1850 - 1910 MHz
Gain	13 dB
VSWR	1.5:1
OIP3	+28 dBm
Tx Rejection	75 dB
Noise Figure	1 dB

Architecture



Typical Noise Figure Performance

