

Electrical Specifications

Frequency Band:	350 - 420 MHz
Passband Width:	<= 5 MHz
Stopband Width:	>= 5 MHz
System Gain:	65 dB, typ
Amplifier O/P Power:	+38 dBm, max
PA Power Control setpoint:	+38 dBm, max
System O/P Power*:	See Notes
Amplifier Noise Figure:	3.0 dB
System Noise Figure:	7.0 dB
IP3:	+49 dBm
Nominal Impedance:	50 Ohm
VSWR:	1.35:1 (max.)
Amplifier Bias Voltage:	13.6 VDC
System Voltage`	220 VAC

Mechanical Specifications

Finish:	Gray
Enclosure Type:	NEMA 4
Size (WxDxH):	24x20x10 in (610x508x254 mm)
Weight:	53 lbs (24.1 kg)

Environmental Specifications

Operating Temperature Range:	-30°C to +60°C 0-90% non-condensing
Operating Humidity Range:	

Notes:

A guideline for per channel power when the bidirectional system is operating at maximum design output level and as a function of the number of carriers.

<u>No. of Carriers</u>	<u>Power per Carrier</u>
1	+33 dBm
2	+28 dBm
4	+22 dBm
8	+16 dBm
16	+10 dBm

UHF Bi-Directional Amplifier System

CSG bi-directional repeaters provide two way (uplink and downlink) filtering and amplification of either VHF or UHF signals in buildings, tunnels or areas that are shaded from adequate RF signal coverage. In addition to the repeater, other devices needed for a distribution system include transmission line, power splitters, hybrid & directional couplers and indoor antennas. The use of radiating cable can also be used, particularly in tunnels and long corridors. The choice of distribution method depends on the nature of the structure in which signal enhancement is required.

Optional System Upgrades

- Alarm & Monitoring
- UPS w/ Battery Backup

