Building Wireless Solutions™

Product Info

Model T51080 700/800 MHz Signal Booster

Product Features & Benefits

Significantly improves vital First Responder communication

- User selectable dual SMR 800 MHz sub-bands
- Preset passband options available in the following frequency sets:
    - 3 MHz: 821-824 / 866-869 MHz
    - 10 MHz: 806-816 / 851-861 MHz
- Sharp SAW filtering reduces interference from competing signals
- Compact NEMA type 4 enclosure
- Digital power and AGC readout for precise set up without test equipment

Rugged, reliable and future proofed coverage extension

- Addresses current and future public safety signal enhancement needs
- Power failure options in the event of outage
- Alphanumeric user friendly display
- Easy installation and maintenance by one person
- Local alarm contact closure points and interface for remote shutdown

Oscillation Detection and Automatic Gain Control (AGC)

- Minimize site intervention with built-in oscillation control and self healing
- Shutdown in the event of non-correctable severe conditions
- 30dB gain adjustment

Model Number

- CSI-T51080-SP78

Frequency Range

- 763-775/851-861 or 866-869 MHz
- 793-805/806-816 or 821-824 MHz

Features & Benefits

- 80 dB gain, mid power unit
- NEMA type 4 enclosure
- Easy installation, precision setup and maintenance
- Future proofed 700/800 Public Safety coverage

1.877.844.4CSI (4274)
www.cellularspecialties.com

021-MKTG-001 REV 0510

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Specifications

Frequency Range Downlink	763-775 / 851-861 or 866-869 MHz
Frequency Range Uplink	793-805 / 806-816 or 821-824 MHz
Passband Gain	80 dB
Gain Attenuation Range	0–30 dB
Gain Attenuation Steps	1 dB
AGC Range	25 dB
Passband Ripple	+/-1.5 dB
Composite Output Power (Linear)	+27 dBm
VSWR	2.0:1(Max)
Typical Output IP3	+47 dBm
Noise @ max gain	<6 dB
Propagation Delay	<500 nsec
Impedance	50 Ohms
Operating Temperature Range	-10 to +50 C
Approximate Weight	40 lbs
Dimensions	20 x 16 x 9 in.
Weatherproofing	IP65, NEMA type 4
Connectors	N-Female
Power Requirements	100-240 VAC

Specifications subject to change without notice.

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