Building Wireless Solutions™

Product Info

Model T51080 700/800 MHz Signal Booster

Product Features & Benefits

Significantly improves vital First Responder communication

- Addresses current and future public safety signal enhancement needs
- Preset passband options available in the following frequency sets:
  - 3 MHz: 821-824 / 866-869 MHz or 10 MHz: 806-816 / 851-861 MHz
- Sharp SAW filtering reduces interference from competing signals
- Compact NEMA Type 4 enclosure

Rugged, reliable and future proofed coverage extension

- 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
- Digital power and AGC readout for precise set up without test equipment

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

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	+14° to +122° F
Approximate Weight / Dimensions	40 lbs / 20 x 16 x 9 in.
Weatherproofing	IP65, NEMA Type 4
Connectors	N-Female
Power Requirements	90-140 @ 1.3A

Specifications subject to change without notice.

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

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

csi cellular specialties, inc.

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