

DUAL BAND PUBLIC SAFETY ULTRA COMPACT REPEATERS

PS700 MHz / PS800MHz • Class B

C7S1717-12-18

Product Features

- Dual Band
- IF SAW filtering, sharp filtering response, outstanding out of band rejection
- SAW filtering technology, low ripple band pass response can be predefined
- User adjustable gain control, UL and DL independent
- Automatic Gain Control
- Overload protection, UL and DL independent



Public Safety Dual Band Ultra Compact Repeater

Applications

- For P25, TETRA, DMR, NXDN and Conventional systems
- Buildings, tunnels, stadiums
- Passive DAS
- Leaky cable networks



Specification

Value

Type	Dual Band Ultra Compact Band Selective Repeater
Frequency range	PS700 MHz & PS800 MHz
Passband BW. min	12 MHz in 700MHz - 18MHz in 800 MHz
Gain, maximum	65dB, per band.
Passband ripple	+/- 2.5 dB
Gain, manual control	18dB range, digitally controlled in 3dB steps, per band.
AGC range	0 to 20 dB min, per band.
Composite output power, Downlink	+17dBm per band
Composite output power, Uplink	+17dBm per band
IM generation	< -13dBm
Noise figure	6.0dB max at maximum output power, per band.
Impedance	50 Ω
Connectors	N(f)
Control	Local, via USB

Electrical and Mechanical Specifications

Value

AC Supply	110/220 VAC - 50/60Hz
DC Supply	5 VDC - 40W
Housing	IP24
Temperature range	-22° to 140° F • -30° to +60° C
Dimension	12.6 x 13.8 x 2 inches • 320 x 350 x 50 mm
Weight	7.7 lbs • 3.5 kg
Mounting	Wall mounting as standard
Heat dissipation	Natural convection

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