

PS700 WITH FIRSTNET BLOCK D & PS800 DUAL BAND, BANDWIDTH ADJUSTABLE SIGNAL BOOSTERS PS 700 MHz / PS 800 MHz • Class B

H7S2727V

Product Features

- Dual band
- IF SAW filtering, sharp filtering, outstanding out of band rejection
- Band Selective, Bandwidth adjustable by software, per band
- US and Canada 700MHz band compatible, software adjustable
- Uplink squelch per band, programmable
- User adjustable gain control, UL and DL independent, per band
- Automatic Gain Control, per band
- NFPA compliant
- Weatherproof enclosure, IP67/NEMA4X



Public Safety Dual Band,
Bandwidth Adjustable Signal Boosters

Applications

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



RF Specification

Type	Dual Band Band Selective Signal Boosters, BW Adjustable
Frequency range	758-775 / 788-805 MHz or 764-776 / 794-806 MHz (software adjustable) & 806-824 / 851-869MHz
Passband BW	500KHz to fullband, software adjustable, per band
Gain, maximum	80dB
Passband ripple	+/- 2.0 dB
Gain, manual control	20dB range, digitally controlled in 1dB steps
AGC range	0 to 40 dB per band
Composite output power, DL	+27 dBm per band
Composite output power, UL	+27dBm per band
IM and spurs	< -13dBm
Noise figure, in dB	9.0 max
Impedance	50 Ω
Group delay	8uS max
Connectors	N(f) as standard
VSWR at operating frequencies	1.5:1 max
Uplink squelch function	Yes, user selectable, to avoid UL noise when no carriers present, per band

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Supervising Specifications

	Value
Self diagnostic platform	Microprocessor based
Alarms	Yes, amplifiers status, power amplifiers status, power supply failure, temperature, AGC, RF overload.
Local management and supervising	Local access via USB.
Remote management and supervising	Remote access via Ethernet and wireless modem, option RC-G (FIPLEX OMS)
RoHS compliance	Yes

Electrical Specifications

	Value
AC Supply	110/220 VAC 50/60 Hz
Power Consumption	220W
DC Supply	See table
Housing	IP67 / NEMA4x
Temperature range	-22° to 140° F • -30° to +60° C
Dimension	20 x 18.1 x 9 inches • 514 x 462 x 230 mm
Weight	55.1 lbs • 25 kg
Mounting	Wall mounting

MODELO	NFPA	RC-G	110-220VAC	+24VDC / -48VDC
H7S2727V-600	X		X	
H7S2727V-601	X			X
H7S2727V-602	X	X	X	
H7S2727V-603	X	X		X

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WARNING: This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENCE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.



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