

PUBLIC SAFETY DUAL BAND, BANDWIDTH ADJUSTABLE SIGNAL BOOSTERS • PS 700 MHz / PS 800 MHz • Class B

H7S2727V
H7S3434V

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	763-775 / 793-805 MHz or 764-776 / 794-806 MHz (software adjustable) & 806-824 / 851-869MHz	
Passband BW	500KHz to fullband, software adjustable, per band	
Gain, maximum	H7S2727V: 80dB	H7S3434V: 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	H7S2727V: +27 dBm per band	H7S3434V: +34 dBm per band
Composite output power, UL	+21dBm per band	
IM and spurs	< -13dBm	
Noise figure, in dB	3.0 max at maximum output power	
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	H7S2727V: 150W	H7S3434V: 350W
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	110-220VAC	+24VDC	-48VDC
H7S2727V-004	X	X		
H7S2727V-005	X		X	
H7S2727V-006	X			X
H7S3434V-004	X	X		
H7S3434V-005	X		X	
H7S3434V-006	X			X