

PUBLIC SAFETY BANDWIDTH ADJUSTABLE SIGNAL BOOSTERS

PS 800 MHz • Class B

HS30V

Product Features

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



Applications

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



RF Specification

Type	Band Selective Signal Boosters, BW Adjustable
Frequency range	806-824 / 851-869 MHz
Passband BW	500 KHz to fullband, software adjustable
Gain, maximum	80dB
Passband ripple	+/- 2.0 dB
Gain, manual control	20dB range, digitally controlled in 1dB steps
Antenna isolation control, gain adjustment	0 to 20 dB
AGC range	0 to 40 dB
Composite output power, DL	+30dBm
Composite output power, UL	+30dBm
IM generation	< -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

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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, poor antenna isolation.
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	77W
DC Supply	See table
Housing	IP67 / NEMA4X
Temperature range	-22° to 140° F • -30° to +60° C
Dimension	15.3 x 15.3 x 3.5 inches • 390 x 390 x 90 mm
Weight	39.7 lbs • 18 kg
Mounting	Wall and pole mounting as standard.
MTBF	>50,000 hours

MODELO	NFPA	RC-G	110-220VAC	+24VDC / -48VDC
HS30V-600	X		X	
HS30V-601	X			X
HS30V-602	X	X	X	
HS30V-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 LICENSE 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.