PS 700 + FIRSTNET BLOCK D + PS 800 DUAL BAND DIGITAL SIGNAL BOOSTERS

DH7S3434-600
DH7S3434-601

Product Features

- Dual band 700 and 800 MHz
- FirstNet Ready
- Channel Selective, software programmable or adjustable bandwidths
- Fully digital signal boosters, FPGA based
- US and Canada 700MHz band compatible, software adj.
- Auto diagnostic
- Uplink and downlink squelch, per channel and per time slot
- User adjustable gain control, UL and DL independent, per band, per channel
- Automatic Gain Control per band, per channel, per time slot
- Weatherproof enclosure, IP67/NEMA4X
- Built-in input and output spectrum analyzer
- NFPA compliant

Applications

- For P25, PH I & PH II, TETRA, DMR, NXDN and Conventional systems
- Indoor coverage: tunnels and mobile fast-deploy communication units
- Outdoor coverage: oil rigs, stadiums, dense urban areas, rural areas, cliffs

Specification	Value
Type	Dual Band Digital Signal Boosters
Frequency range	758-775 / 788-805 MHz or 764-776 / 794-806 MHz (software adjustable) & 806-824 / 851-869MHz
Passband BW. min	Channel Selective (90KHz, 45KHz, 30KHz, 20KHs, and 15KHz BW) or 100KHz to full band (depends of configuration)
Number of Passband	Channel Selective (90KHz, 45KHz, 30KHz, 20KHz, and 15KHz BW), 1 to 32. PS700: 30 + FirstNet Block D PS800: 32 or 8 UL & 8 DL (depends of configuration)
Gain, maximum	80 dB
Passband ripple	+/- 3.0 dB
Gain, manual control	28dB range, digitally controlled in 1dB steps, per link, per band
Antenna isolation	Max Gain + 15dB
Composite output power, DL	+33dBm
Composite output power, UL	+24dBm
IMD	< -13dBm
Noise figure	9.0dB max
Group delay	Channel Selective 90KHz, 14µS Channel Selective 45KHz, 23µS Channel Selective 30KHz, 32µS Channel Selective 20KHz, 45µS Channel Selective 15KHz, 55µS or Band Selective 12µs
Maximum input power, no damage	0dBm (UL) -35dBm (DL)

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Specifications	Value
Connectors	N(f) as standard
RF Input/Output impedance	50Ω
Uplink squelch function	Yes, user selectable, to avoid UL noise when no carriers present, per band, per time slot and by channel
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 and Ethernet (web browser)
Remote management and supervising	Remote access via Ethernet. Wireless MODEM (SNMP) as optional (RC-G)
RoHS compliance	Yes
Power Supply	AC 110 VAC, 50/60 Hz or DC +24VDC & -48VDC (depends of configuration)
Power consumption	230W
Housing	IP67 / NEMA4X
Temperature range	-13º to 131º F • -25º to +55º C
Cooling	Natural convection
Dimension	18.2 x 20.2 x 9 inches • 462 x 514 x 230 mm
Weight	59.5 lbs • 27kg
Mounting	Wall or pole mounting
MTBF	250.000 hours

Product Code	Class	Config.	Composite Output Power	Power Supply Option
DH7S3434-600	A - 32 channels UL 32 channels DL	01	+ 33dBm per band	AC
DH7S3434-600	B - 8 Subbands UL 8 Subbands DL	02	+ 33dBm per band	AC
DH7S3434-601	A - 32 channels UL 32 channels DL	01	+ 33dBm per band	DC
DH7S3434-601	B - 8 Subbands UL 8 Subbands DL	02	+ 33dBm per band	DC

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.