

# UHF SIGNAL BOOSTERS

## Band Selective Dual Sub Band • Class B

**DH424V-D**  
**DH430V-D**  
**DH437V-D**

### Product Features

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



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### Applications

- Buildings, tunnels, stadiums
- Passive DAS
- Leaky cable networks



### Specification

### Value

Specification	Value
Type	Dual Sub Band, Band Selective Signal Boosters, BW Adjustable
Frequency range	450 – 5 12 MHz
Passband BW. min	See table
Downlink to Uplink separation, min	See table
Band 1 to Band 2 separation, min	5MHz min (See Note 1)
Gain, maximum	80dB
Passband ripple	+/- 2.0 dB
Gain, manual control (operationally linked commands)	20dB range, digitally controlled in 1dB steps
Antenna isolation control, gain adjustment	0 to 20 dB, per sub band
AGC range (operationally linked commands)	0 to 40 dB
Composite output power, DL, per sub band	DH424V-D: +24dBm (2MHz BW) & +21dBm (700KHz BW) DH430V-D: +30dBm DH437V-D: +37dBm
Composite output power, UL, per sub band	+24dBm (2MHz BW) & +21dBm (700KHz BW)
IM as spurs	< -13dBm according to output power
Noise figure, in dB	9dB at maximum gain
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
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

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AC Supply	110/220 VAC 50/60 Hz
Power Consumption	DH424V-D: 160W      DH430V-D:200W      DH437V-D: 240W
DC Supply	See below
Housing	NEMA 4X
Temperature range	-22° to 140° F • -30° to +60° C
Dimension	20 x 18.1 x 9 in • 514 x 462 x 230 mm
Weight	60 lbs • 27.3 kg
Mounting	Wall and pole mounting as standard.
MTBF	250.000 hours

MODEL	NFPA	RC-G	110-220VAC	+24VDC	-48VDC	4 PORTS
DH424V-D-175	X		X			X
DH424V-D-176	X			X		X
DH424V-D-177	X				X	X

MODEL	NFPA	RC-G	110-220VAC	+24VDC	-48VDC	4 PORTS
DH430V-D-175	X		X			X
DH430V-D-176	X			X		X
DH430V-D-177	X				X	X

MODEL	NFPA	RC-G	110-220VAC	+24VDC	-48VDC	4 PORTS
DH437V-D-175	X		X			X
DH437V-D-176	X			X		X
DH437V-D-177	X				X	X