UHF BANDWIDTH ADJUSTABLE SIGNAL BOOSTERS
335 - 430 MHz

M318V

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 as optional
- Wheatherproof enclosure, IP67/NEMA4X

Applications

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

RF Specification	Value
Type	Band Selective Repeater, BW Adjustable
Frequency range	335-430 MHz
Passband BW. min	0.5 to 2 MHz for 5 MHz Tx to Rx separation 0.5 to 5 MHz for 10 MHz Tx to Rx separation
Downlink to Uplink separation, min	5 or 10 MHz, factory adjustable
Gain, maximum	80 dB
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
AGC range (operationally linked commands)	0 to 40 dB
Composite output power, DL	+18 dBm
Composite output power, UL	+18 dBm
IMD	> 60dBc or <-36dBm
Spurious Generation	< -36 dBm
Noise figure, in dB	6.0 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
Self diagnostic platform	Microprocessor based
Alarms	Yes, 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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Specifications	Value
AC Supply	110/220 VAC 50/60 Hz
Power Consumption	40W
DC Supply	See table
Housing	IP67
Temperature range	-22º to 140º F • -30º to +60º 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	>200,000 hours