

BAND SELECTIVE REPEATERS

DCS 1800 MHz

HD27

Product Features

- IF SAW Filtering, sharp filtering response, outstanding out of band rejection
- Auto diagnostic, alarm output via LEDs
- User adjustable gain control, UL and DL independent
- Automatic Gain Control
- Rugged construction and easy maintenance reduces operational costs and ensures MTBF



Band Selective Repeater

Applications

- Indoor: buildings, tunnels, subways
- Outdoor: stadiums, remote rural areas, dense urban areas



Specification

Value

| Specification | Value |
|----------------------------------|---|
| Type | Band Selective Repeater |
| Frequency range | DCS 1800 MHz |
| Passband BW | Factory adjusted from 5MHz to fullband |
| Gain, maximum | 80dB |
| Passband ripple | +/-3.0 dB |
| Gain, manual control, UL and DL | 18dB range, digitally controlled in 3dB steps |
| AGC range | 0 to 20 dB |
| Composite output power, Downlink | +27 dBm |
| Composite output power, Uplink | +20dBm |
| Noise figure | 3.0 dB max at maximum output power |
| Impedance | 50 Ω |
| Group delay | 6 μ S max |
| Connectors | N(f) as standard |
| VSWR at operating frequencies | 1.5:1 max |
| Self diagnostic platform | Microprocessor based |
| Alarms | Yes, AGC, RF overload. |
| Local management and supervising | Local access via USB |
| RoHS compliance | Yes |

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| Electrical and Mechanical Specifications | Value |
|--|--|
| AC Supply | 110/220 VAC 50/60 Hz 50W |
| Housing | IP24 |
| Temperature range | -22° to 140° F • -30 to +60 °C |
| Dimension | 15.7 x 11.8 x 2.7 inches • 400 x 300 x 70 mm |
| Weight | 13.2 lbs • 6 kg |
| Mounting | Wall mount as standard. |
| MTBF | >100,000 hours |

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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.



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