

PR-440 series DAB (Digital Audio Broadcast) Radio Antennas



Specification

- Frequency range:
 - 40-88 MHz Band I DAB
 - 170-240 MHz Band III DAB
 - Optional bands AM/SW and or FM
 - 0.1-30 MHz AM/SW
 - 88-110 MHz Band II FM
 - Average VHF gain: 25 dB (amp)
 - VHF Noise figure: 1.6 dB (amp)
 - Max output level: 111 dBuV min (2 signals-60 dBIM)
 - Third order intermod products: >20dB
 - Antenna factor: $K_a = 0.12 \text{ AM}$
 - Filters: Band pass
 - 100 Khz-30 MHz. AM/SW (optional),
 - 47-88 MHz. Band I DAB
 - 88-110 MHz. Band II FM (optional)
 - 174-230 MHz. Band III DAB
 - Broadband rejection filter: 140-165 MHz.
 - Polarization: vertical
 - Antenna pattern: omni-directional
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- Supply voltage to antenna: 15VDC nominal
 - Current consumption: 60 mA Nominal
 - Operating temperature: -40 to +55 C.
 - Protection circuits: static discharge device fires at 65 volts
 - Impedance: 75 ohm nominal
 - Connector "F" type electroplate or BNC-75
 - Return loss: >10dB with optional output connector.
 - Radome material: UV protected ABS
 - Flange material: Stainless, Almag or Powder Coated Almag
 - Internal stabilization material: Polyurethane foam injection
 - Element material: copper foil
 - Element type: single vertical element pcb
 - Shipping Weight: 5 pounds with 2 ft coax
 - Cable RG-6 LSZH

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