CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

32403

ALERT2 Maxon Radio with User-Specified Frequencies

Overview

The 32403 is a 148 to 174 MHz radio, manufactured by Maxon Australia. The 32403 is a rugged, narrowband UHF/VHF 5 W radio transceiver that provides a long-distance telemetry option for communicating with remote measurement stations.

The 32403 is designed for customers with an FCC-assigned frequency in the range of 148 to 174 MHz. The 32403 is well-suited for use with transmitters in Campbell Scientific ALERT/ALERT2 networks. An FCC license is required.

Detailed Description

Pinout Description:

- **Pin 1**: Audio In (Data RX)
- **Pin 2**: Audio Out (Data TX)
- **Pin 3**: PTT
- **Pin 4**: GND (Ground)
- **Pin 5**: B+ (8 to 18 Vdc)
- **Pin 6**: Carrier Detect (Squelch)
- **Pin 7**: N/C No Connect
- **Pin 8**: Switch

Specifications

Radio Module	SD-125E V2
Frequency Range	148 to 174 MHz
RF Channels	16 independent Tx/Rx frequencies
Synthesizer Step	2.5 kHz
Channel Spacing	12.5 kHz
Frequency Stability	±5.0 PPM
Input Voltage	7.5 to 16 Vdc
Antenna Connector	BNC female

Current Drain at 12.5 Vdc	23 mA (receiver standby)
Receiver Type	12.5 kHz narrowband
Receiver Sensitivity	0.35 µV
Receiver Spurious Emissions	-60 dB
Transmitter RF Power Output	1.0 or 5.0 W (@ 12.0 Vdc)
Audio Output	2.5 V (@ 600 Ω)
Dimensions	30 x 62 x x 118 mm (1.18 x 2.44 x 4.65 in.)

Weight	0.253 kg (8.92 oz)

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