

maxon

VHF / UHF

SD-125

RF link module

Reliable Versatility



Maxon's SD-125 RF link modules allow RF signals to be exchanged with devices like emergency assistance "call boxes", irrigation systems and electronic signs, making them perform with more reliability.

Compact size and multi-voltage DC connection capability gives the module flexibility in use. Add an external modem, and up to 1200 BPS data can also be exchanged; further extending the module's versatility in and around your World.

Synthesized frequency tuning

9-Pin interface connector

Operates from 9V to 18V DC

Accepts many sources of DC power to permit more versatile use

1 or 5 Watt transmit power

Provides good area coverage under a variety of applications

Programmable up to 16 channels

A series of dip-switches selects one of 16 available operating channels

Programmable channel spacing

Die-cast aluminum housing

Provides mounting holes and proper heat dissipation during use

Time-out-timer function

Monitors module usage to prevent excessive transmit time

SD-125 RF link modules

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specifications

general	VHF model SD-125V	UHF model SD-125U	receiver (measurement procedures made per ANSI/TIA / EIA - 603)
Frequency Range	V2: 148-174 MHz	U1: 400-430 MHz U2: 440-470 MHz	Sensitivity 12 dB SINAD .28 μ V .35 μ V
Channels	1 of 16, dip switch selectable		Selectivity >50 dB @ 12.5 kHz; >60 @ dB 25 kHz
Channel Spacing	30 / 25 / 15 / 12.5 kHz		Intermodulation 65 dB 65 dB
PLL Step	5.0 / 6.25 kHz		Spurious Response 70 dB 70 dB
Channel Spread	26 MHz		Audio Output 2.5V @ 600 Ω ; (Method @ < 10% THD level)
Antenna Impedance	50 Ω		transmitter (measurement procedures made per ANSI/TIA / EIA - 603)
Operating Voltage	9V - 18V DC, 12V Nominal		RF Output 5 Watt or 1 Watt (programmable per channel)
Operating Temperature	-22° F to +140° F (-30° C to +60° C)		Spurious and Harmonic Emissions 60 dB 60 dB
Frequency Stability (-30° C to +60° C)	\pm 5.0 ppm	\pm 2.5 ppm	Modulation 11K0F3E, 16K0F3E, 19K6F3D
Dimensions (H x W x D)	4-5/8" x 2-7/16" x 1-3/16" (117 x 62 x 30 mm)		FM Hum and Noise >40 dB @ 12.5 kHz; >40 dB @ 25 kHz
Weight	7.7 oz. (218 gm)		Modulation Sensitivity 100 mV RMS @ 60% peak dev.
FCC Identifier	V2: F3JSD125V2	U1: F3JSD125U1 U2: F3JSD125U2	
FCC Compliance	Parts 22, 74, 90, 210	Parts 22, 74, 90, 210	
Canada Certification Number	3772195332	3772195333A	

Specifications are subject to change without notice.

features / functions

- Synthesized frequency tuning
- 9-Pin interface connector
- Operates from 9V to 18V DC
- Programmable 1 or 5 Watt transmit power
- Operates on 1 of 16 channels; dip switch selectable
- Programmable wide or narrow channel spacing
- Time-out-timer function
- Die-cast aluminum housing with mounting holes
- Manufactured under ISO 9002 quality standards
- FCC Certified for use in U.S.A. and its possessions and IC Approved for sale in Canada



accessories / options

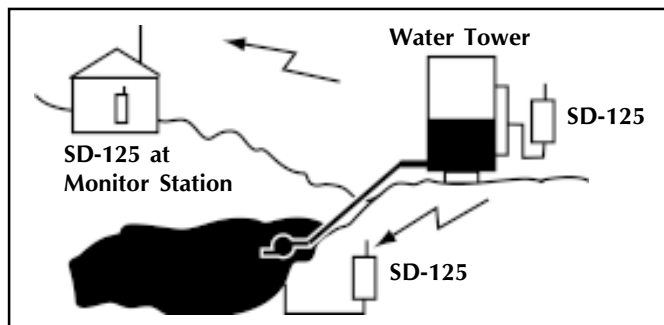
Antennas: VHF Antenna, 148-174 MHz, 6" uncut, BNC connector (CA-1506); UHF Antenna, 440-470 MHz, 6", BNC connector (CA-4506)

Signaling: CTCSS Encoder / decoder* (SD-010); 1200 Baud modem* (SD-FSK/Bell 202); 1200 Baud modem with built-in CTCSS encoder / decoder* (SD-FSK/Bell 202 CTCSS);

Expansion Lid: Expansion lid kit (480-030-0008)

* Requires 480-030-0008 Expansion Lid kit for use with SD-125 modules

For more information, contact:



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