



## Transceiver Radio

S1059W / S1059Z

- **2 Way, 2 watt transceiver**
- **Programmable up to 16 channels**

This radio maintains an operating voltage of 9 to 18 VDC. Synthesized and programmable up to 16 channels, it has a cast aluminum housing with mounting holes, 9-pin interface connector, and a time-out timer.



## Technical Specifications

S1059W / S1059Z

### Performance

FCC Identifier:	F3JSD125U2
IC Certification Number:	153 195 333A
Frequency Range:	UHF U2: 440 - 470 MHz (optional VHF V2: 148 - 174 MHz)
Channel Spread:	U2: 30 MHz
Frequency Stability:	+/- 2.5 ppm
Operating Temperature:	-22°F to +140°F (-30°C to +60°C)
Storage Temperature:	-40°F to +176°F (-40°C to +80°C)

### Transmitter

RF Output:	1 - 5 W, +/- 10%
RF Output Impedance:	50 Ohms
Spurious & Harmonic Emissions:	-60 dBc
Modulation:	11K0F3E, 19K6F3E
Modulation Limiting:	5 kHz max. (25 kHz)
FM Hum & Noise:	40 dB (25 kHz with no psophometric)

### Receiver

RF Input Impedance:	50 Ohms
Sensitivity	
12 dB SINAD:	< -110 dBm 0.35 $\mu$ V
20 dB Quieting:	< 0.5 $\mu$ V @ center channel
Selectivity:	> 60 dB (25 kHz spacing)
Intermodulation:	> 65 dB
Audio Output:	2.5 V @ 600 Ohms; method < 10% THD level
Hum and Noise:	40 dB (25 kHz with no psophometric)

### PHYSICAL

Dimensions (H x W x D):	4 5/8" x 2 7/16" x 1 3/16"
Weight:	7.7 oz.
Materials:	Die-cast aluminum