

## SR 20M 950 : Technical Specifications

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The SR 20M 950 is fully synthesized and can be operated in any frequency within the specified band of operation. The SR 20M is a single frequency receiver, but is fully synthesized for great performance.

### RF SPECIFICATIONS

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**Frequency Band:**

935-965 MHz

**Frequency Programming:****Increments:**

1 Hz

**Accuracy:**

± 0.00025% of center frequency

**Change Time:**

<2 seconds

**Receive Bandwidth:**

125-250 KHz, depending on selected frequency

**Deviation:**

Adjustable, ±20 kHz max

**Stability over Operating Temperature range:**

± 0.0001%

**Sensitivity:****50 dB Signal-to-Noise:**

4 µVs

**60 dB Signal-to-Noise:**

14 µVs

**Max Signal-to-Noise (typically 75 dB or greater):**

100 µVs

### AUDIO SPECIFICATIONS

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**Type of technology to produce carrier:**

Phase-locked loop (synthesized)

**Spurious Response:**

-90 dB

**Mono Operation:****Connector Type:**

15-pin D connector or external terminal strip

**Output Impedance:**

Balanced 600 Ohms

**Output Level:**

-10 dBm to +11 dBm

**Frequency Response (20 Hz to 15 kHz):**

±0.2 dB

**S/N Ratio @ 100 µV Input:****200 kHz BW @ 50 kHz Dev:**

>75 dB

**125 kHz BW @ 15 kHz Dev:**

>64 dB

**125 kHz BW @ 9 kHz Dev:**

>60 dB

**THD + Noise:****200 kHz BW @ 50 kHz Dev:**

0.25% or less, 20 Hz to 15 kHz

**125 kHz BW @ 15 kHz Dev:**

0.3% or less, 20 Hz to 15 kHz

**125 kHz BW @ 9 kHz Dev:**

0.3% or less, 20 Hz to 15 kHz

### MECHANICAL/PHYSICAL

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**RF Input Connector:**

Type N Female

**Accessory Connector:**

15-pin D connector or terminal strip

**Output Connector:**

15-pin D connector or terminal strip

**Dimensions (Unpacked):**

3.5"H x 19"W x 15.5"D (8.9cm H x 48.3cm W x 39.4cm D)

**Weight (Unpacked):**

7.8 lbs (3.5 kg)

**ENVIRONMENTAL**

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**Operating Temperature:**

-20° C to +50° C

**Altitude:**

10,000 ft (3048m) max

**Humidity:**

95% maximum, non-condensing

**ELECTRICAL**

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**Voltage:****AC Operation:**

85-264 VAC; 47-63 Hz

**DC Operation:**

+10 to +14 VDC (Via D Connector)

**Current Draw:**

1.5 A

**Power Consumption:**

150 Watt Max