SPECIFICATIONS

Frequency Range		136-174MHz. 216-250MHz.
Sensitivity		0.25-0.3μV/12dB SINAD. (Typical), 0.38μV (Max.)
Squelch Threshold		0.15μV (Typ). 0.25μV (Max.)
Selectivity (Typ)	**Std. Fltr.**	—6dB @ ± 6.5KHz, — 70dB @ ± 15KHz, > —125dB @ ± 25KHz (20dB Qt. Method) — —85dB nom. (EIA SINAD Method)
Option —	**"Super Sharp" Fltr. #FLS** *(Only recommended where there is local activity @ ± 15-20KHz.)*	—6dB @ ± 5.5KHz —104dB (Typ.) @ ± 15KHz
Spurious & Image Response		—70dB (Nom.) Spurious —90dB (Nom.) Image
Front End		Low-noise, w/double balanced mixer for extremely low I.M. 8 pole filter.
'Desense'/Overload		With a 1μV desired signal, 'Desense' begins at appx. 50,000 μV @ ± 600KHz; appx. 100,000 μV @ ± 3MHz.
Intermodulation		—75dB Nom. EIA
Modulation Acceptance		7 KHz Nom.
I.F.		Double conversion, 21.4MHz first IF. 455KHz second IF.
Squelch		Fast attack; noise operated. Hysteresis circuit minimizes "chopping" on weak, fading signals.
Audio Output (Typ.)		2W to 8 ohm Load; up to 5W to 4 ohm Load.
A.F. De-emphasis		—6dB/Octave per EIA specifications.
Operating Voltage		13VDC (Nom.). 11V Min., 14V Max.
Current Draw-Squelched		120mA (Nom.)
Normal AF Output		180mA
Maximum AF Output		250mA
Size		5.5" x 4.9" x 1.2"
Minimum Recommended Shielded Housing Size		6½" L x 5¾" W x 2" H (Inside)
Controls Required		
— Squelch		10K ohm (Linear Taper)
— AF Output		50K ohm (Linear Taper)
Recommended Meter (If Used)		1mA DC. 1 KΩ internal resistance. (Optional Spec Comm signal meter, #SM-1, is available.)
Crystal Information		136 - 151.000MHz — $XTAL\ F_O = \frac{RX\ Freq. + 21.4MHz}{4}$
		151.001 - 174MHz — $XTAL\ F_O = \frac{RX\ Freq. - 21.4MHz}{3}$
		216 - 250MHz — $XTAL\ F_O = \frac{RX\ Freq. + 21.4MHz}{6}$
		Third overtone, parallel resonant, 12pF load capacity. HC-25/U case. 30 ohms or less at resonance. Temperature tolerance (—10 to +60°C) ± 0.0005% or better.
Recommended Housing		Spec Comm custom SCR1000 rcvr. housing.

Sold factory direct. (Assembled & tested.) As used in the SCR1000.

Supplied w/1 precision commercial grade 0.0005% crystal.

AVAILABLE WITH OR WITHOUT SHIELDED HOUSING ASSEMBLY — COMPLETELY WIRED & TESTED, WITH FEED THRU CAPS, UHF CONNECTOR, ETC. AS USED IN THE SCR1000.