

Sencore SG80 Condensed Specifications

FM RF Generator - Tuning Range: 87.9 to 108 MHz. Tuning steps: Coarse: 200 kHz steps/Fine: 10 kHz steps. Accuracy: ± 20 PPM. Modulation Percentage: 100% = ± 75 kHz Deviation ± 2 kHz. Modulation Distortion: $<$ or equal to 0.01% THD with a 1 kHz sinewave @ 100% mod. Stereo Separation: > 63 dB @ 98.1 MHz and 1 kHz sinewave modulation.

FM IF Generator - (Specs guaranteed from 10.2 MHz to 11.2 MHz). Tuning Range: 9.7 to 11.7 MHz. Tuning Steps: Coarse: 100 kHz/Fine: 10 kHz. Accuracy: ± 20 PPM. Modulation Percentage: 100% = ± 75 kHz deviation ± 2 kHz. Modulation Distortion: $<$ or equal to 0.01% THD with a 1 kHz sinewave @ 100% mod.

FM Multiplex Generator - Pilot Frequency: 19 kHz ± 2 Hz. Pilot Level: 0 to 11% of overall modulation continuously variable. Stereo Separation Through Composite: > 65 db at 1 kHz.

SCA - Frequency: 53 to 95 kHz internally adjustable. Preset at factory to 67 kHz. Accuracy of Carrier: ± 1.5 kHz. Modulation: 2.5 kHz audio sinewave. Modulation Distortion: $<$ or equal to 3% at 2.5 kHz.

FM Sweep Generator - Sweep Width: ± 600 kHz. Center Marker Freq: Selectable between 9.7 and 11.7 MHz in 100 kHz steps (Coarse) and 10 kHz steps (Fine). Accuracy: ± 20 PPM. Amplitude: 1.2 VPP Minimum. Markers: Every 100 kHz from center marker to ± 600 kHz.

AM RF Generator - Frequency Range: 520 kHz to 1720 kHz minimum. Tuning steps: Coarse: 10 kHz steps/Fine: 1 kHz steps. Accuracy of Carrier: ± 20 PPM. Modulation Percentage: 0% to 125% $\pm 2\%$ in Mono, L+R, L-R, and Stereo 0% to 65% in R and L. Modulation Distortion: $<$ or equal to 0.5% THD with a 1 kHz audio sinewave signal @ 30% mod.

AM IF Generator - Frequency Range: 200 to 500 kHz. Tuning Steps: Coarse: 10 kHz steps/Fine: 1 kHz steps. Accuracy of Carrier: ± 20 PPM. Modulation Percentage: 0% to 125% $\pm 2\%$ in Mono, L+R, L-R, and Stereo 0% to 65% in R and L.

C Quam AM Stereo - Main Channel: $<$ or equal to 0.5% with a Mod. Dist. 1 kHz audio sinewave signal @ 30% mod. Sub-Channel Mod. Dist.: $<$ or equal to 0.5% with a 1 kHz audio sinewave signal @ 30% mod. Stereo Separation: $>$ or equal to 35 dB from 200 Hz to 7.5 kHz at 50% modulation. ID Pilot Frequency: 25 Hz ± 0.25 Hz.

RF/IF/MPX Attenuator - Range: 0 to 120 dBf Continuously Variable (0.27 μ V to 0.27V). Accuracy: ± 1 dB at 98.1 MHz at 65 dBf, ± 1.5 dB over 20 dBf - 120 dBf ranges, ± 2.5 dB over 0 dB range. Output Impedance: 75 Ohm RF, 1 k Ohm MPX. Output Protection: Protected from externally applied voltages up to ± 400 V(DC + Peak AC).

Audio Output - Frequencies: Off, 400 Hz, 1 kHz, and 5 kHz, ± 20 PPM Sinewave and Squarewave. Sinewave Distortion: $< 0.02\%$ THD at 1 kHz into 100 ohms. Output Amplitude: 0 to 3 VPP continuously variable into 100 ohms. Output Impedance: 100 ohms.

General - POWER: 105-130 VAC, 60 Hz. SIZE: 7" x 14" x 16.7" (17.9 x 35.8 x 42.5 cm) HWD. WEIGHT: 20 lbs (10.8 kg).