



Figure 1-2. Radio Receiver R-1051B/URR, Top View, Case Removed

e. Type of frequency control: crystal-controlled synthesizer referenced to a 5-MHz internal or external standard, 0.2 volt minimum input.

f. Modes of operation: LSB, USB, ISB, AM, CW, and FSK.

g. Sensitivity: $1 \mu\text{V}$ for $10 \text{ dB } \frac{S+N}{N}$ in single-sideband (SSB) mode; $2 \mu\text{V}$ CW and FSK modes; and $4 \mu\text{V}$ in AM mode.

h. Receiver if.: first, 20 or 30 MHz; second, 2.85 MHz; third, 500 kHz.

i. Bandwidth: SSB, 3.2 kHz; AM and CW, 7 kHz.

j. Recommended antenna: 50-ohm impedance.

k. Ambient temperature limitations: 0°C to $+50^{\circ}\text{C}$.

l. Power consumption: 55 watts.

m. Primary power requirements: 115 Vac ± 10 percent, single phase, 48 to 450 Hz.

n. If. rejection: -75 dB.

o. Image rejection: -80 dB.

p. Audio output: 60 mV (minimum) into 600-ohm balanced or unbalanced remote output load; 15 mV (minimum) into 1200-ohm balanced load (local headset).