

APPLICATION

- For FM IF Amplifier and Detector

FEATURES

- 3 Stage Differential IF Amplifier.
- Differential Peak Detector.
- Excellent AM Rejection: AMR=50dB (Typ.)
- High Sensitivity: $V_{IN(lim)} = 50\text{dB}\mu\text{V}$ (Typ.)
- Operating Supply Voltage Range: $V_{CC} = 8 \sim 15\text{V}$.
- Low Distortion: THD=0.2% (Typ.)
- High Recovered Output Voltage: $V_{OD} = 500\text{mV}$ (Typ.)
- Simplified Single Coil Tuning. at $\Delta F = \pm 75\text{kHz}$ dev.
- Very Few External Parts.

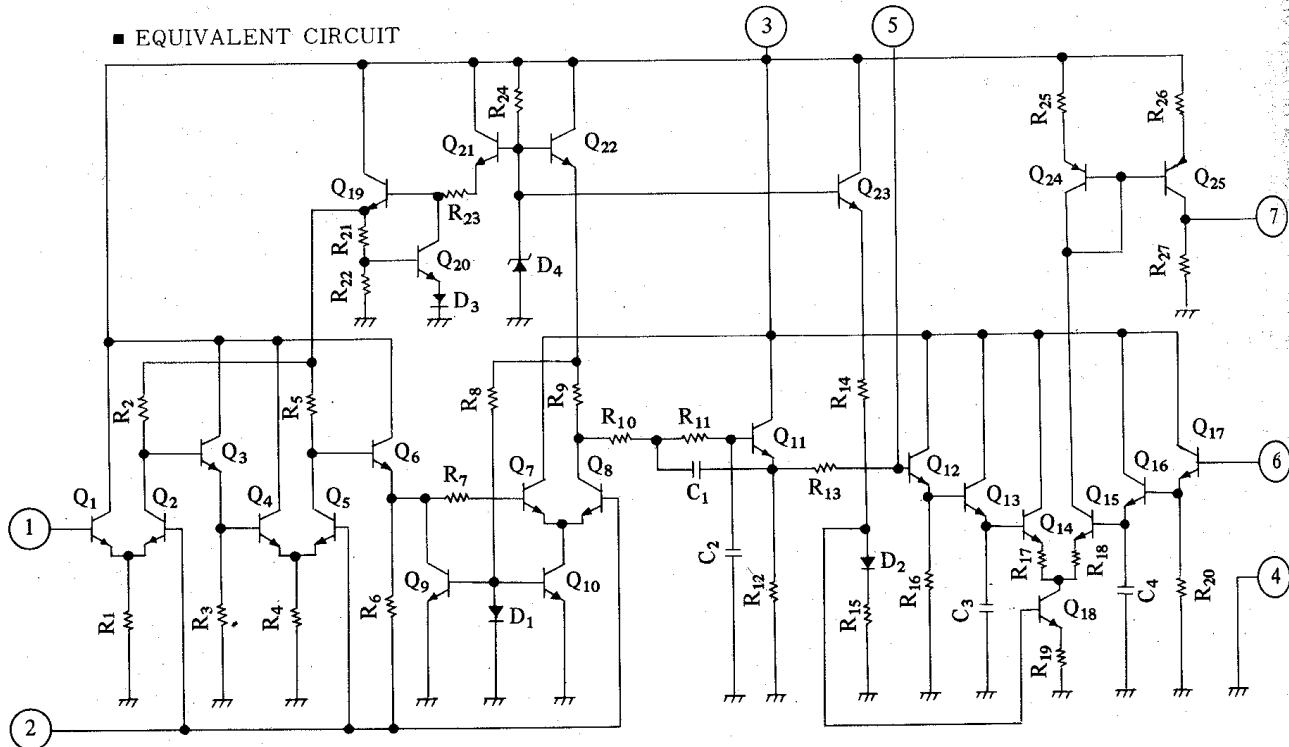
MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply Voltage	$V_{CC}(V_s)$	15	V
Input Voltage	$V_{IN}(V_i)$	0.7	V_{rms}
Power Dissipation (Note)	P_D	400	mW

CHARACTERISTIC	SYMBOL	RATING	UNIT
Operating Temperature	T_{opr}	$-25 \sim 75$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-55 \sim 125$	$^\circ\text{C}$

■ **Note:** Derated above $T_a = 25^\circ\text{C}$ in the proportion of $4\text{mW}/^\circ\text{C}$.

EQUIVALENT CIRCUIT



Unit in mm

