

ABSOLUTE MAXIMUM RATING (Ta = 25°C)

RATING	SYMBOL	VALUE	UNIT
Supply Voltage	V _{cc}	16	V
Power Dissipation (Ta=60°C)	P _d	600	mW
Operating Temperature	T _{opr}	-20 ~ +60	°C
Storage Temperature	T _{stg}	-55 ~ +155	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C, V_{cc} = 12V, F = 10.7mHz, f_{MOD} = 400Hz, Δf = 75KHz)

CHARACTERISTICS	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Circuit Current	I _{cc}	V _i = 0dBμ		20	30	mA
	I _{cc}	V _i = 100dBμ		32		mA
Input Limiting Voltage	V _i (lim)	V _o = 3dB, less than V _i = 100dBμ		27	33	dBμ
Recovered Output Voltage	V _o	V _i = 100dBμ	250	280	400	mV
Total Harmonic Distortion	THD	V _i = 100dBμ		0.1	0.5	%
Signal-to-Noise Ratio	S/N	V _i = 100dBμ	65	75		dB
AM Rejection	AMR	V _i = 100dBμ, AM = 30% MOD, 1 KHz	35	45		dB
Muting Sensitivity	V _i (Mute)	V ₁₂ = 1.4V	27	35	40	dBμ
Muting Attenuation	Mute(ATT)	V ₅ = 2V	65	75		dB
Muting Bandwidth	BW(Mute)	V _i = 100dBμ, V ₁₂ = 1.4V		150		KHz
Mute Drive Output	V ₁₂₋₁	V _i = 0dBμ		5		V
	V ₁₂₋₂	V _i = 100dBμ		0		V
Signal Meter Output	V ₁₃₋₁	V _i = 0dBμ		0		V
	V ₁₃₋₂	V _i = 70dBμ		3.5		V
	V ₁₃₋₃	V _i = 100dBμ		7		V
AGC Output	V ₁₅₋₁	V _i = 0dBμ		5		V
	V ₁₅₋₂	V _i = 100dBμ		0.2		V