STK020

THICK FILM HYBRID INTEGRATED CIRCUIT FOR 13WATTS TYP. AF POWER AMPLIFIER (2 POWER SUPPLY)

ABSOLUTE MAXIMUM RATINGS/Ta=25°C

Maximum Supply Voltage	$V_{CC\ max}$	$\pm$22	V
Available Load Shorting Time	($V_{CC}=\pm$16V, P_O=10W, R_L=8Ω, f=50Hz)	2	sec
Operating Case Temperature	Tc	85	°C
Storage Temperature	Tstg	-30 - +100	°C

RECOMMENDED OPERATION RATINGS /Ta=25°C

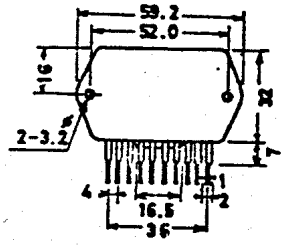
Recommended Supply Voltage	V_{CC}	$\pm$16	V
Load Resistance	R_L	8	Ω

OPERATION CHARACTERISTICS/Ta=25°C, Vcc=$\pm$16V, R_L=8Ω, Rg=600Ω, f=1KHz

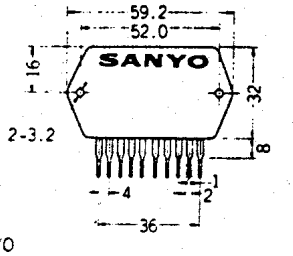
			min	typ	max	Unit
Total Current	I_{CCO}				50	mA
Output Power	P_O	KF=1.0%	10	13		W
Voltage Gain	VG	P_O=0.1W	32	33	34	dB
Distortion	KF	P_O=0.1W			1.0	%
Input Impedance	ri	P_O=0.1W	20K	27K		Ω
High Cut-off Frequency	f_{CH}	Vi=50mV, -3dB	100K			Hz
Low Cut-off Frequency	f_{CL}	Vi=50mV, -3dB			10	Hz
Power Bandwidth	PBW	KF=1.0%, $\pm$3dB		20 - 25K		Hz
Output Center Point DC Voltage	ΔV_N		-100	0	+100	mV
Output Noise Voltage	V_{NO}	Rg=5KΩ			3.0	mV

CASE OUTLINE(unit: mm)

(A)



(B)



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