

STK-3062 - Thick Film Hybrid Integrated Circuit Voltage Amplifier for 60-70 W AF Power Amplifier

Maximum Ratings at Ta=25°C

Maximum Supply Voltage	V _{CCmax}	±55 V
Allowable Power Dissipation	P _{dmax}	4 W per channel
Operating Case Temperature	T _C	100 °C
Storage Temperature	T _{stg}	-30 to +100 °C

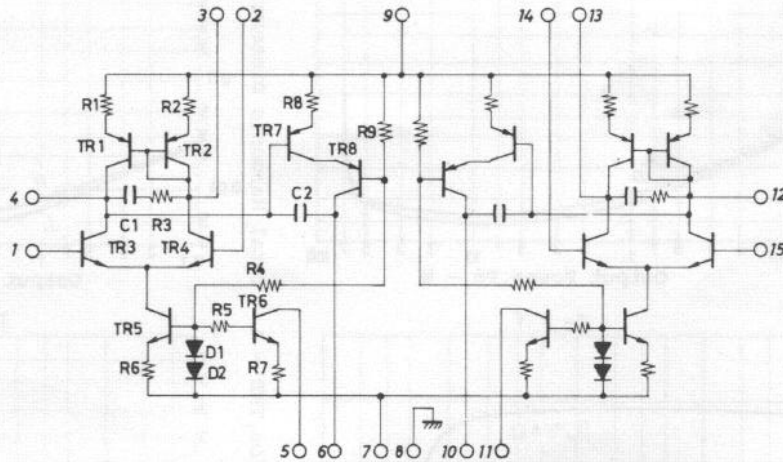
Recommended Operation Condition at Ta=25°C

Recommended Supply Voltage	V _{CC}	±45 V
Load Resistance	R _L	22k ohm

Operation Characteristics at Ta=25°C, V_G=26.5dB, R_L=22k ohm

		min	typ	max	unit
Dissipation Current	I _{CC} V _{CC} =±48V		22	35	mA
Output Center Voltage	V _N V _{CC} =±48V	-70		+70	mV
Output Noise Voltage	V _{NO} V _{CC} =±48V, R _g =0 ohm			0.2	mV
Input Resistance	r _i V _{CC} =±48V, f=1kHz, v _o =2.82V		32k		ohm
Total Harmonic Distortion	THD ₁ V _{CC} =±41V, f=20kHz, v _o =22V	0.005	0.01		%
"	THD ₂ V _{CC} =±41V, f=50kHz, v _o =15.5V	0.01			%

Equivalent Circuit



Case Outline (unit:mm)

[4008]

