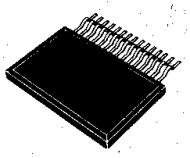
STK3152III



4053A

Thick Film Hybrid IC

2-Channel Voltage Amplifier for 120 to 150W AF Power Amplifier (Dual Supplies)

Ⓔ1633A

Features

- The AC amp circuit configuration eliminates the need to use an external midpoint adjust circuit.
- External parts provide more flexibility in phase compensation.
- Low distortion (0.005%) due to built-in current mirror circuit.

Maximum Ratings at Ta=25°C

			unit
Maximum Supply Voltage	V_{CC}max	±90	V
Operating Case Temperature	T_C	115	°C
Storage Temperature	Tstg	-30 to +115	°C

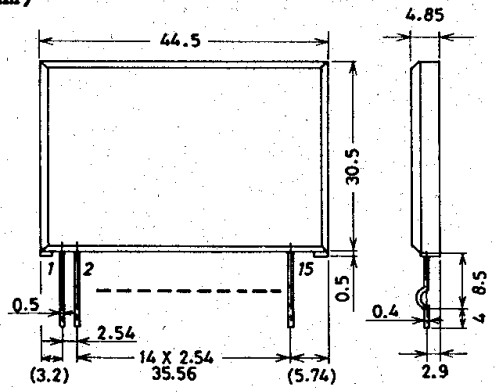
Operating Characteristics at Ta=25°C, VG=40dB, See Test Circuit.

			min	typ	max	unit
Current Dissipation	I_{CC}	V_{CC}=±72V		20	30	mA
Midpoint Voltage	V_N	V_{CC}=±72V	-50		+50	mV
Output Noise Voltage	V_{NO}	V_{CC}=±72V, Rg=10kohms			1.0	mV
Input Resistance	r_i	V_{CC}=±72V, f=1kHz, Vo=2.83V		92		kohm
Total Harmonic Distortion	THD	V_{CC}=±60V, f=20kHz, Vo=34.6V		0.005		%

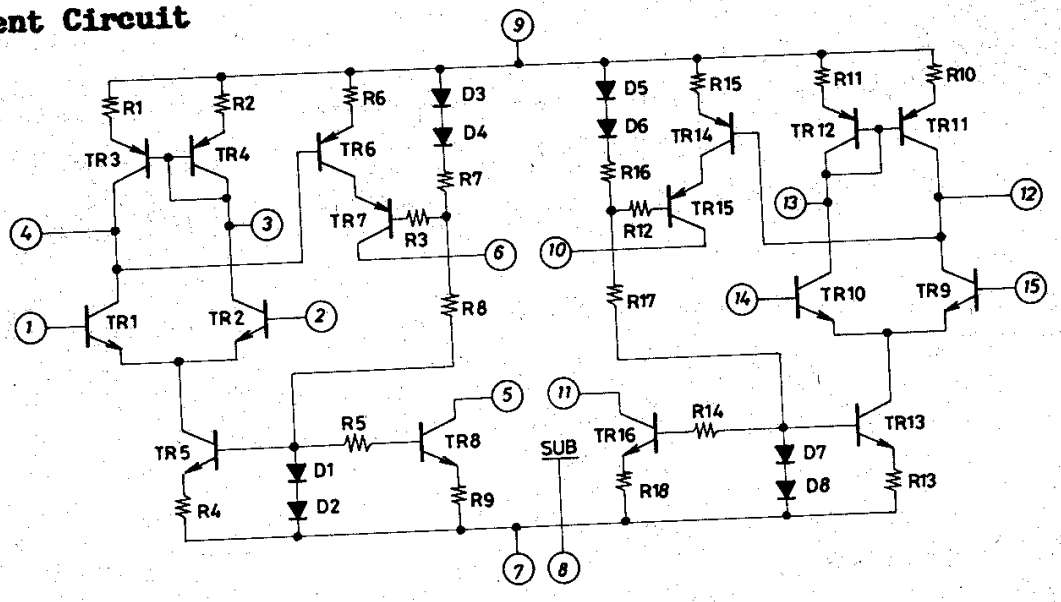
Remarks

- When testing, use a regulated power supply unless otherwise specified.

Case Outline 4053A
(unit:mm)



Equivalent Circuit



Test Circuit

