

# STK3082III



4053A

Thick Film Hybrid IC

©1534A

## 2-Channel Voltage Amplifier for 80 to 90W AF Power Amplifier (Dual Supplies)

### 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

Maximum Supply Voltage	V <sub>CC</sub> <sup>max</sup>	±65	V	unit
Operating Case Temperature	T <sub>C</sub>	115	°C	
Storage Temperature	T <sub>Stg</sub>	-30 to +115	°C	

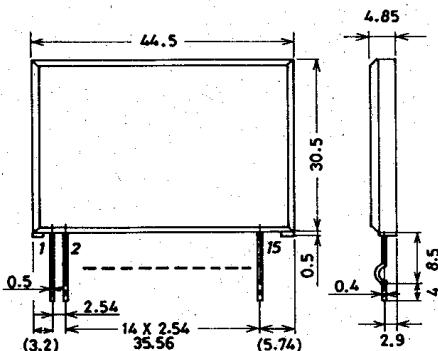
### Operating Characteristics at Ta=25°C, VG=40dB, See Test Circuit.

		min	typ	max	unit
Current Dissipation	I <sub>CC</sub> V <sub>CC</sub> =±56V		20	30	mA
Midpoint Voltage	V <sub>N</sub> V <sub>CC</sub> =±56V		-50	+50	mV
Output Noise Voltage	V <sub>NO</sub> V <sub>CC</sub> =±56V, R <sub>g</sub> =10kohms		1.0	1.0	mV
Input Resistance	r <sub>i</sub> V <sub>CC</sub> =±56V, f=1kHz, Vo=2.83V	92			kohm
Total Harmonic Distortion	THD V <sub>CC</sub> =±47V, f=20kHz, Vo=25.3V		0.005	0.005	%

### Remarks

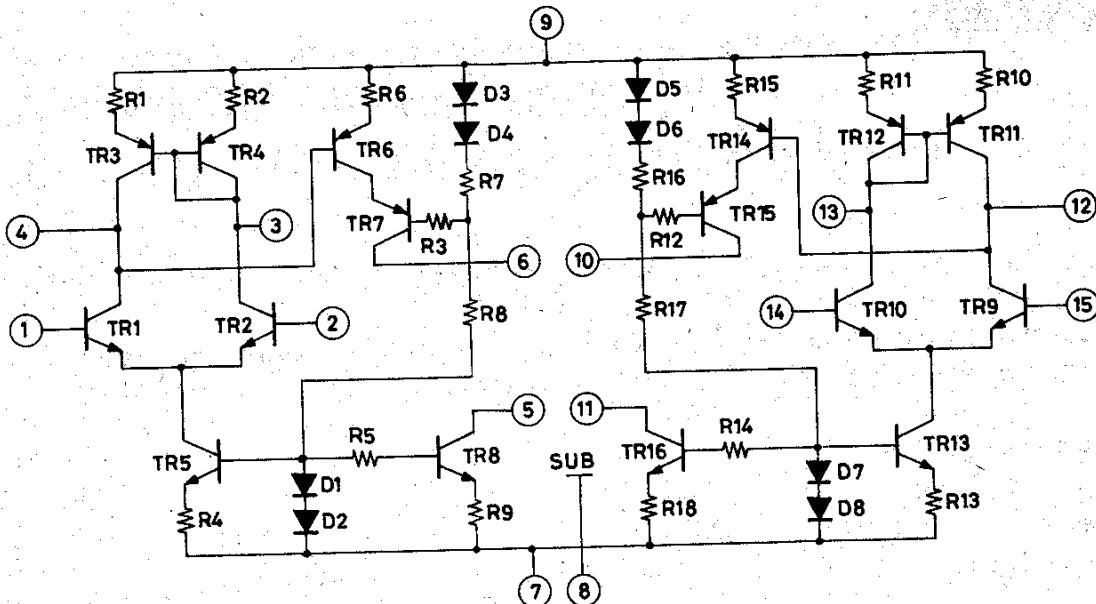
- When testing, use a regulated power supply unless otherwise specified.

Case Outline 4053A  
(unit:mm)



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## Equivalent Circuit



## Test Circuit

