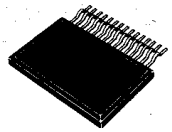
STK3082III



4053A

Thick Film Hybrid IC

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

Ⓔ1534A

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	±65	V
Operating Case Temperature	T_C	115	°C
Storage Temperature	Tstg	-30 to +115	°C

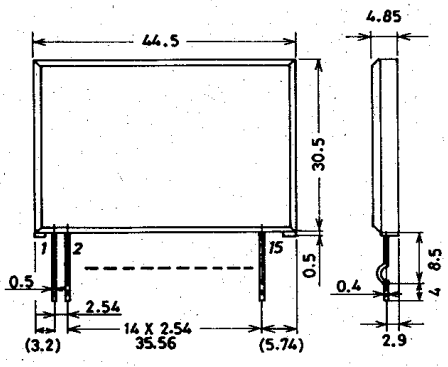
Operating Characteristics at Ta=25°C,VG=40dB,See Test Circuit.

			min	typ	max	unit
Current Dissipation	I_{CC}	V_{CC}=±56V		20	30	mA
Midpoint Voltage	V_N	V_{CC}=±56V	-50		+50	mV
Output Noise Voltage	V_{NO}	V_{CC}=±56V,Rg=10kohms			1.0	mV
Input Resistance	r_i	V_{CC}=±56V,f=1kHz,Vo=2.83V	92			kohm
Total Harmonic Distortion	THD	V_{CC}=±47V,f=20kHz,Vo=25.3V		0.005		%

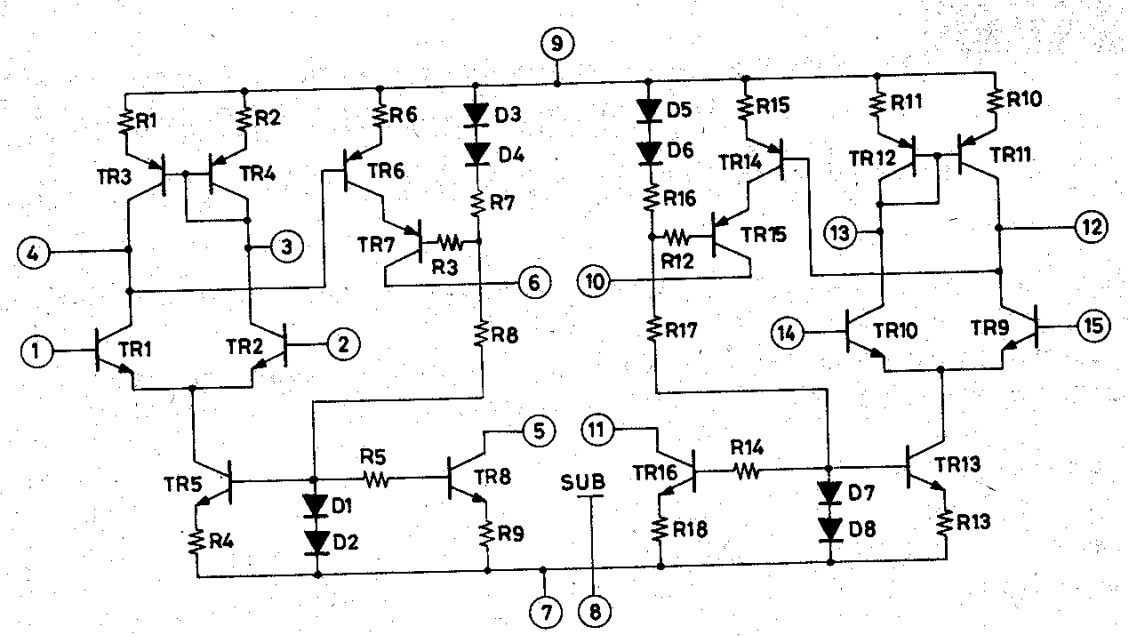
Remarks

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

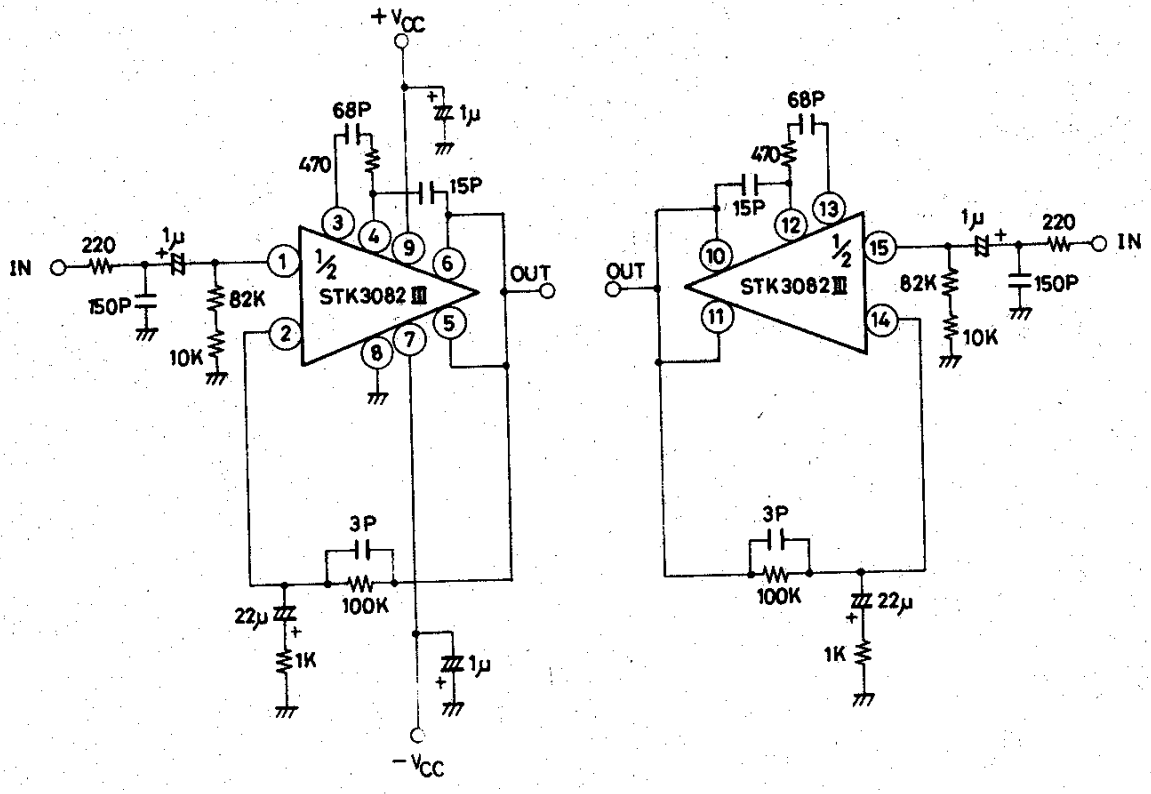
Case Outline 4053A
(unit:mm)



Equivalent Circuit



Test Circuit



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