

No.1093

STK1060 I

8

ohm



Thick Film Hybrid Integrated Circuit 60W MIN AF POWER AMP. OUTPUT STAGE (D.P.P.) WITH BUILT-IN EMITTER RESISTANCE

Features

Load Resistance

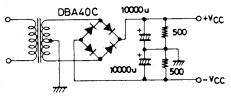
- 1. Built-in emitter resistance
- 2. Allowable power rating of resistor is 5W min. which is capable of meeting the requirements for any load
- 3. Allowable peak current is 15A min. which is capable of covering any peak current at abnormality mode such as load short
- 4. Meets the requirements for various safety standards in the world
- 5. Easy to make PCB design because of built-in emitter resistance
- 6. Capable of forming quasi class A bias circuit by connecting peripheral circuit externally

Maximum Ratings at Ta=25°C Maximum Supply Voltage Thermal Resistance	V _{CC} max	Ideal heat radiation		±56	unit V OC/W
Collector Current Junction Temperature	I _Ç Tj			8 150	o _C
Storage Temperature Available Time for Load Shorted	Tstg t _s	V _{CC} =±40V*,f=50Hz, R _L =80hm,Po=60W	U to	+105 1	o _C sec
Recommended Operating Condit Recommended Supply voltage		Ta=25°C		±40	unit V

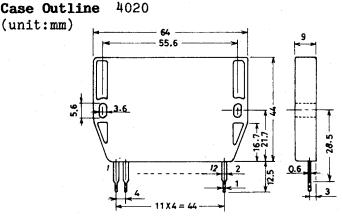
Operating Characteristics at Ta=25°C, V_{CC}=±40V, R_L=80hm, Rg=6000hm, VG=36.7dB, at specified test circuit(based on Sample Applica-

	opoulation out officers of cample of the					
	tion Circuit)		min	typ	max	unit
Quiescent Current	Icco	V _{CC} =±48V	20	40	70	mA
Output Power	Po	THD=0.01%,f=20Hz to 20kHz	60			W
Total Harmonic Dis-	THD(1)	Po=60W,f=20Hz to 20kHz	0	.005	0.01	%
tortion	THD(2)	Po=1W,f=20Hz to 20kHz			0.01	%
Power Bandwidth	PBW	Po=30W,f=50kHz	(0.05		%
Emitter Resistance	R_{rr}		0.18	0.22	0.30	ohm

*: For measuring available time for load shorted, use the specified transformer power supply shown below.

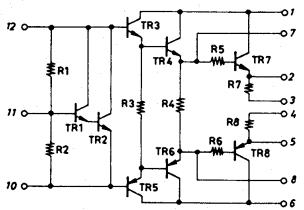


Specified Transformer Power Supply (Equivalent to Tango MG-200)

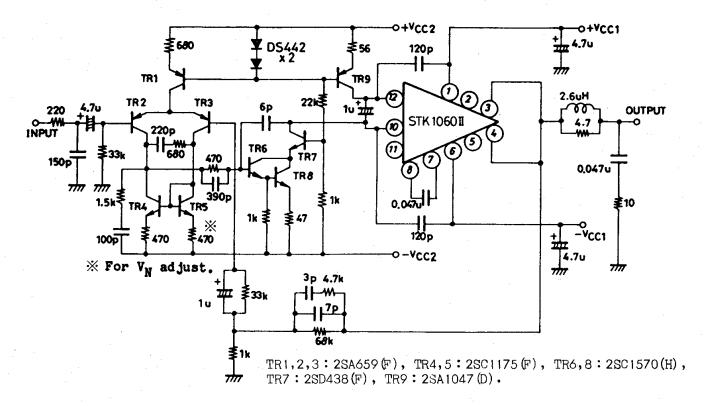


These specifications are subject to change without notice.

Equivalent Circuit



Sample Application Circuit: 60W min AF Power Amp.



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