* components

医多类皮肤 医	AUDIO LI	MITER	Semiconductors		
Resistors		表现的复数形式 医电子动脉管	Diodes		
¼W 5% carbon			1N4148	2	D1,2
560Ω	1	R17			
680Ω	1.	R16	Transistors		
1kΩ	2	R2,8	BC108	4	Tr3,4,5,6
2·2kΩ	1	R24	BC109	1	Tr1
2.7kΩ	2	R5,6	2N3819	4	Tr2
3-3kΩ	1	R26		7.7	
4.7kΩ		R7	Integrated circuit		
5-6kΩ	1	R15	μA741C	1	IC1
6.8kΩ	2	R20,22			
10kΩ	2	R14,23			
12kΩ		R12		WERS	SUPPLY
15kΩ	2	R13,25	Resistors		
22kΩ	- 0 1 0 2	R27	¼W 5% carbon		
33kΩ	999100	R19	680Ω	1	R1
47kΩ	3	R4,10,18	820Ω	1	R2
68kΩ	1	R1	4.7kΩ	1	R3
82kΩ	1	R3			
100kΩ	2	R9,11	2.5W 5% wirewound		
100.00	-	119,11	33Ω	1	R4
W 10% carbon					
2.2ΜΩ	1	R21	Capacitors		
2 214100		nz i	Min. polyester		
Capacitors			0·1μF	4	C3
50V electrolytic,	nah maun	ting	0.111		63
10μF	<i>р.с.ы. тойт</i> 6	C2,3,5,7,10,14	63V electrolytic		
22µF	3				00.4
47µF	1	C6,9,11 C1	100μF	2	C2,4 (p.c.b. type)
47μF 100μF	1	C13	1000μF	1	. C1 (double-ended
ΤΟΟμΕ		013			
25V electrolytic, double-ended			Semiconductors		
			Diodes		
10μF	2	C8,12	BZX61C30V	1	D1
22μF		C4	Red I.e.d.	1	D2
Potentiometers	3.4544				
			Transistor		
Vin. horizontal-n			BFY50	1	Tr1
4·7kΩ	2	VR1,2			
14:1.	a es entra a		Bridge rectifier		
Midget, linear tra	CK, U-5VV		100V 1A	1	BR1
25kΩ	1	VR3		7	
		Miscellaneous			
n.#17 - 18		eng mengangkak di sebagai kan di se			A 15-0-15V transformer
Miscellaneous			p.c.b. mounting (RS Type 207-841 or similar); heat		
		ened cable; printed circuit			TO39); equipment wire
poard: knob t	o suit VH3:	equipment wire; fixings,	3-core mains cable	fiving	gs, etc., to suit individua

Construction

Many constructors will undoubtedly wish to build the limiter into an existing piece of equipment—provided that a d.c. supply of approximately 30V is available, the existing power supply can be used. Do not exceed 35V or damage to IC1 may occur.

Because the device is a basic "building block" which can be used in a myriad of applications, the inclusion of details of a case, sockets, etc., is largely pointless—this is also the reason why the p.s.u. has not been built onto the main p.c.b. For those that do wish to build the limiter into a standard box with input and output sockets, Fig. 8 shows the circuit for a suitable power supply; the p.c.b.

details for it are shown in Fig. 6.

For stereo use, two limiters can obviously be employed so that the input to each channel of the main amplifier unit is limited independently of the other—but as this might lead to some rather odd or inconvenient effects with, for example, bassy beat music you may prefer to arrange matters so that both limiters share the same control voltage. Figure 7 shows a way of doing this, but an "overload" on one channel will naturally affect the gain of the other.

So it is very much a case of swings and roundabouts and the constructor will have to determine the method

which best suits his purpose and taste!