

D60

1.2 SPECIFICATIONS

1.2.1 STEREO SPECIFICATIONS

Output Power 28 watts per channel minimum RMS (both channels operating) into an 8 ohm load over a bandwidth of 20Hz-20KHz at a rated RMS sum total harmonic distortion of 0.05% of the fundamental output voltage.

Frequency Response ± 0.1 dB 20Hz-20KHz at 1 watt into 8 ohms;
 ± 1.2 dB 5Hz-100KHz at 1 watt into 8 ohms.

1KHz Power 35 watts RMS into 8 ohms, per channel, both channels operating, 0.1% total harmonic distortion.

Harmonic Distortion Less than 0.001% from 20Hz-400Hz, and increasing linearly to 0.05% at 20KHz at 28 watts RMS per channel into 8 ohms.

I.M. Distortion (60Hz-7KHz 4:1) Less than 0.05% from 0.01 watts to 0.25 watts, and less than 0.01% from 0.25 watts to 28 watts into 8 ohms per channel.

Slewing Rate 6 volts per microsecond (slewing rate is the maximum value of the first derivative of the output signal, or the maximum slope of the output signal).

Damping Factor Greater than 400, DG 400Hz into 8 ohms.

Output Impedance Less than 15 milliohms in series with less than 3 microhenries.

Load Impedance Rated for 8 ohm usage; safely drives any load including completely reactive loads,

Voltage Gain 20.6 $\pm 2\%$ or 26.3 ± 0.2 dB at maximum gain.

Input Sensitivity 0.75 volts $\pm 2\%$ for 28 watts into 8 ohms.

Output Signal Unbalanced, dual channel.

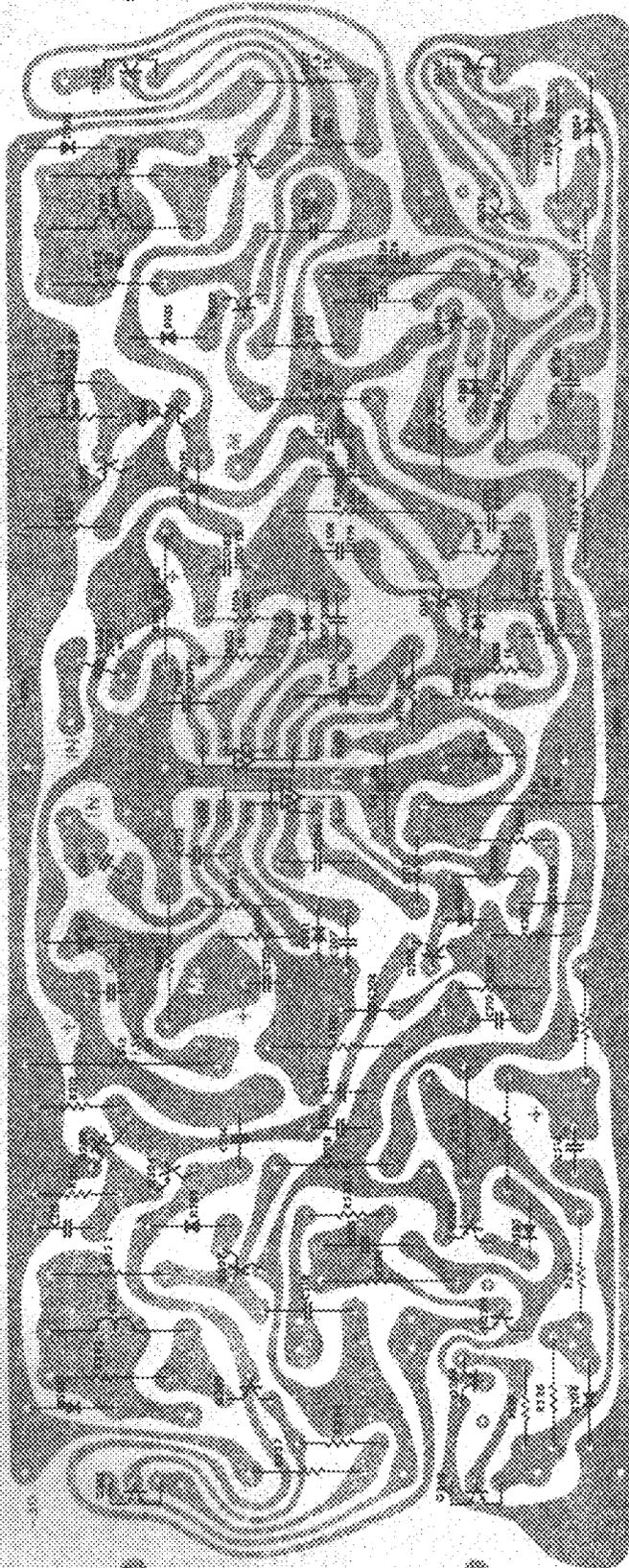
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Schematic Designation	Description	Crown Part #	Other Information
R115, R215 R116, R216	4.7K ohm ½ watt 10%	1640	
R117, R217	18K ohm ¼ watt 10%	2633	
R119, R219 R125, R225	180 ohm ¼ watt 10%	2873	
R120, R220 R127, R227	5.6 ohm ½ watt 5%	3299	
R121, R221 R122, R222	120 ohm ½ watt 5% Film	3837	
R123, R223	100 ohms ½ watt 10%	1007	
R126, R226	2.2K ohm ½		
R132, R232	¼0 ohm		
*R135, R235	3.3K¼ w a t t 1 0 %	2629	When IC u749 is used, must be connected from pins 1 to 7 and 7 to 13 on IC
*R135, R235	10K ohm ¼ watt 10%	2631	When IC u739 is used and instability occurs, resistor must be connected from pins 1 to 7 and 7 to 13 on IC
R5 R13	1.5K ohm 1 watt 10%	3497	
Transistors			
4102, Q202	PN4250A	3786	
Q104, Q204 Q105, Q205 Q106, Q206 Q114, Q214	2N3859A selected	2961	
4107, Q207	2N4125 selected	3625	
Q108, Q208	MPSA06	3528	
Q109, Q209	M PSA56	3954	
Q110, Q210 Q112, Q212	2N6175	3501	
Diodes			
D101, D201 D102, 0202 D106. D206	1N4148	3181	
D103, D203	1 N270	3447	
D104, 0204 D105, D205	1 N4003	2851	
D7, D8	IN961B, 10V zener	3549	

Schematic Designation	Description	Crown Part #	Other Information
	3" foam tape	1152	Mounts TI to front panel
	6-32 captive nut	2019	Mount on bottom back edge of FP channel
	Anodized TO-3 insulator	4039	Mounts outputs
	TO-3 insulator	4071	Mounts outputs
	6-32 x 1/2 BHP screw	2176	Mounts outputs
	#6 internal star washer	1823	Mounts outputs
	#6 solder lug	3163	Mounts outputs
	6-32 hex nut	1889	Mounts outputs
	Feed-through terminals	3502	
C21	5MF 70V	1678	
II	Neon lamp, NE2H	2500	Mounts on terminal strip
SW1	D-60 power rotary switch	3492	
R31	27K ohm 1/2 watt 10%	1056	Mounts on terminal strip
R33	2.7 ohm 1/2 watt 10%	2857	Mounts from gnd lug at input pot to main board
R101, R201	25K ohm audio taper pot'	3494	Input level control with nut
R128, R228 R130, R230	.1 ohm 5 watt 10% Wire	3291	Mount on solder lugs attached to outputs
Q111, Q211 4113, Q213	2N3055 selected, Motorola	4152	Output transistors on bottom of FP channel
TI	D-60 transformer, 10403-P2	4246	Starts SN 14467
	Nylon transformer mount	4251	Mounts transformer
	8-32 x 7/8 RHP screw	4252	Mounts transformer
	Fuseblock	3776	
	Double-sided foam tape	1152	Used to mount fuseblock
	2.5A 3AG fuse	3775	Internal fuse
	Fuse Caution label	3834	
	Control knob, A-1	4076	For input pots R101, R201
	Control knob, A	4075	For power switch SW 1
	D-60 serial number label	4193	
	2A 120 VAC label	3891	
	1 3/4" end bars	4085	
	6-32 x 3/8 SCP screw	1904	Mounts end bars
	D-60 bottom cover	41166	With 2, 8-32 captive nuts
	O-60 bottom cover	9590-s	Without the captive nuts
	8-32 captive nuts	2018	Install on bottom cover
C123, C223 C125	.01 MF Ceramic disc	1751	

DC=739/2019

Crown 7825 A



NOTES:

- THIS CIRCUIT STARTS SN 12751, AND APPLIES ONLY TO SCHEMATIC MI-267D.
- SCHEMATIC DESIGNATIONS PRECEDED BY 1 ARE LEFT CHANNEL, BY 2, RIGHT CHANNEL.
- VALUES SHOWN ONLY FOR LEFT CHANNEL.

