ELECTRICAL CHARACTERISTICS (@ Ta : 25°C)

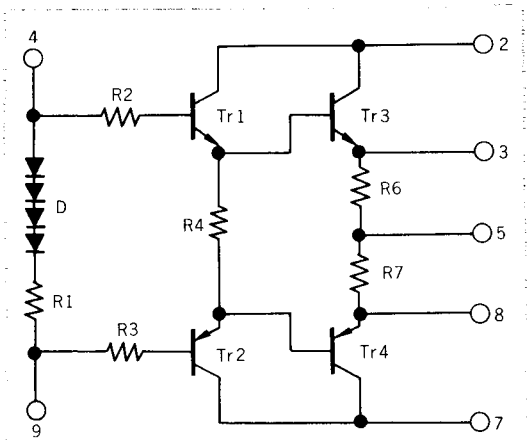
Characteristics	S−100W	S−60W	S−40W	Remarks
Maximum Supply Voltage	120V or ±60V	100V or ±50V	80V or ±40V	
Supply Voltage	100V or ±50V	80V or ±40V	60V or ±30V	
Supply Current	1.63A	1.26A	1.03A	R_L=8Ω
Output Power	100W	60W	40W	R_L=8Ω
Idling Current	50mA±10mA	40mA±10mA	30mA±10mA	
@	7mA	5mA	3mA	Flowing through Diode
Thermal Resistance	1.9°C/W max	2.2°C/W max		Junction to base plate
Operating Temperature	−20°C ~ +80°C			
Storage Temperature	−30°C ~ +100°C			

INTERNAL PARTS RATINGS (@ Ta=25°C)

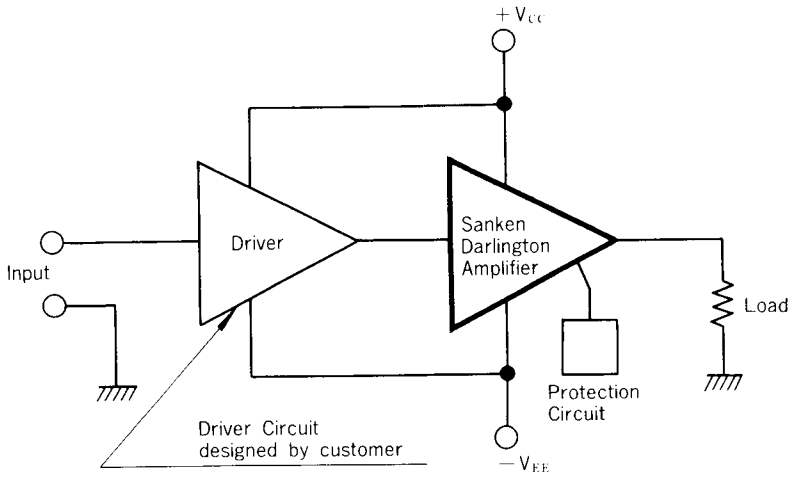
Reter to Schematic for symbols.

Part Symbol	S−100W	S−60W	S−40W
h_{FE} of	2500min (V_{CE}=6V)		
Tr1×Tr3, Tr2×Tr4 @	I_C= 5 A	I_C= 3 A	
R1 @	About 50Ω	To adjust I_d	About 100Ω
R2, R3	330Ω ±30%		Nil
	330~470Ω	330Ω ±30%	
R5	Nil	330Ω ±30%	
R6, R7	0.33~0.47Ω		

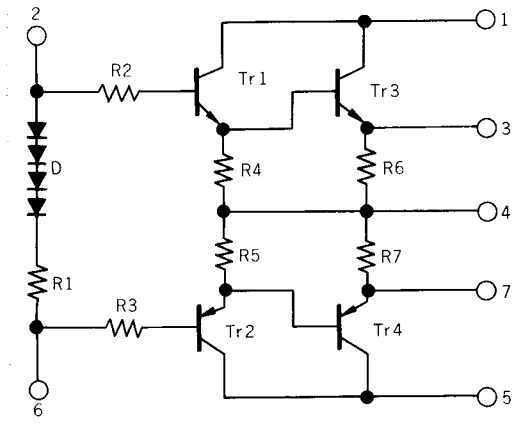
SCHEMATIC S-100W



COMPLETE AUDIO MAIN AMPLIFIER USING DARLINGTON AMPLIFIER



S-60W, S-40W



APPLICATION NOTES

1. Use a silicone grease such as GE Insulgrease G-640 to provide good thermal contact from base to heat sink.
2. Torque of clamping screw should be 5kg-cm to 10kg-cm.
3. Do not clamp tight only one screw. Add torque to both screws alternatively.
3. Do not bend pin terminals.
4. Connectors are not recommended for S-100W.