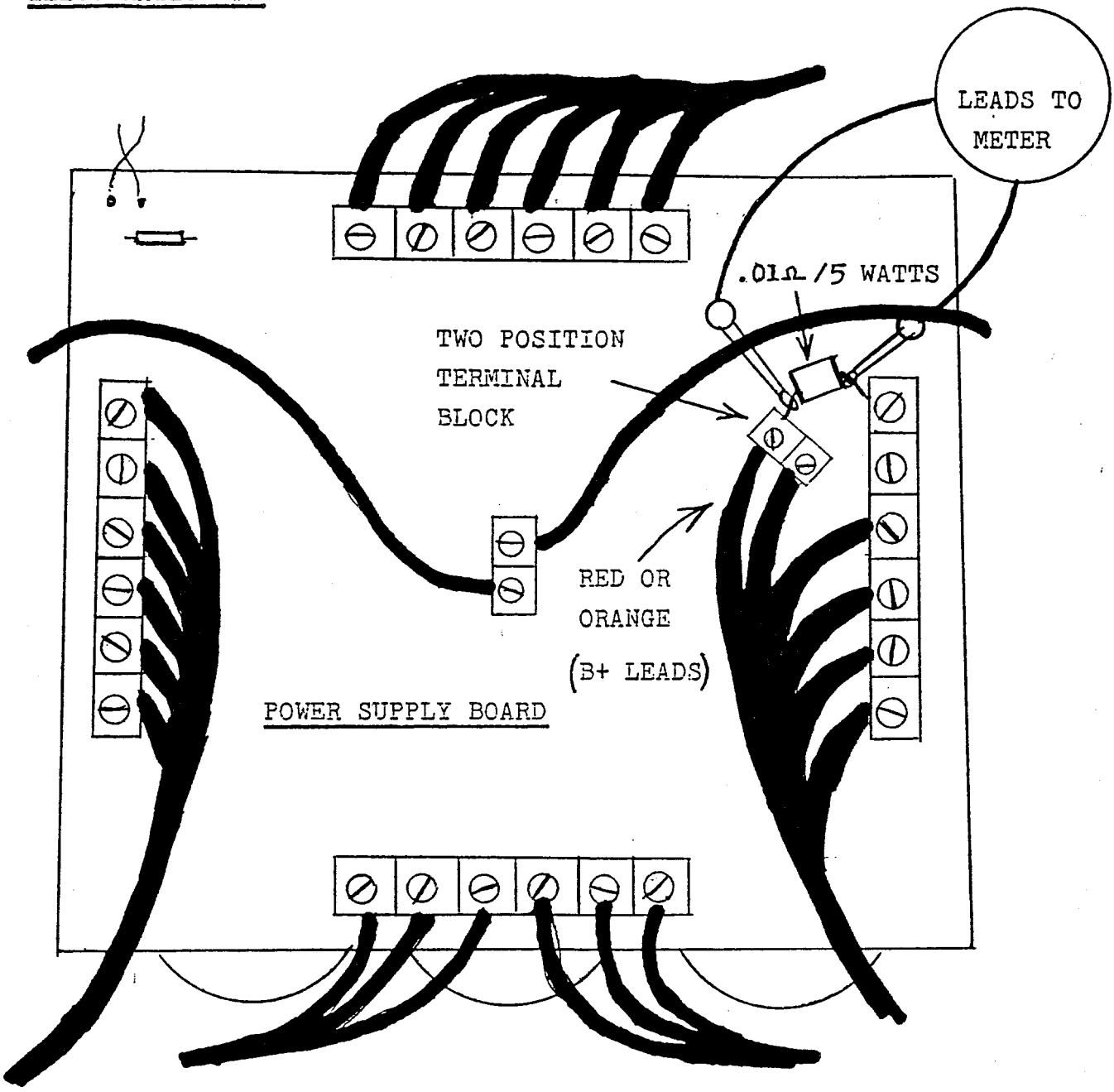
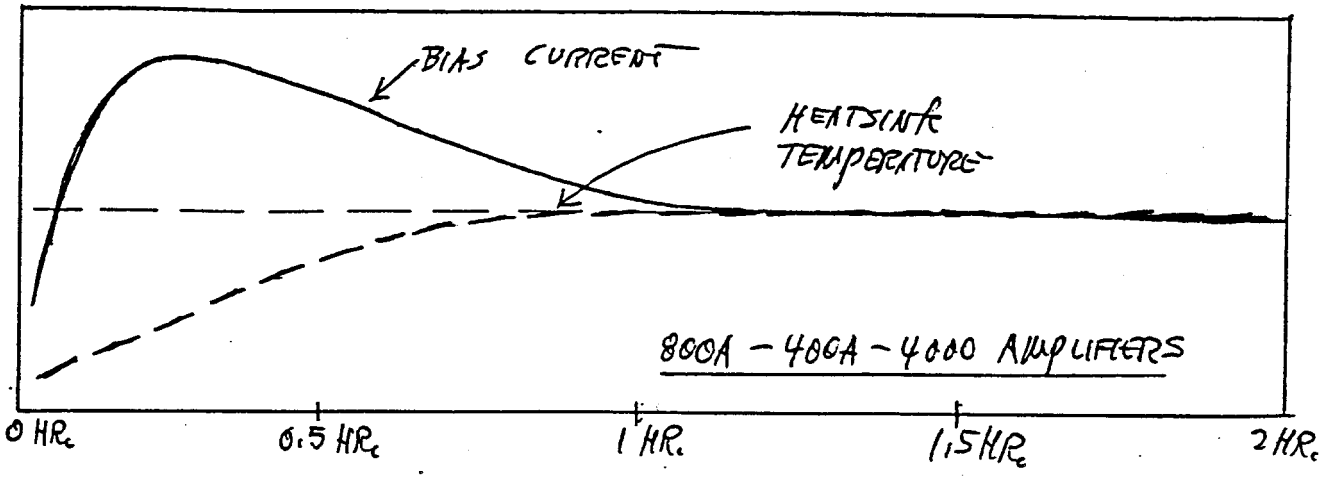
ILLUSTRATION #1

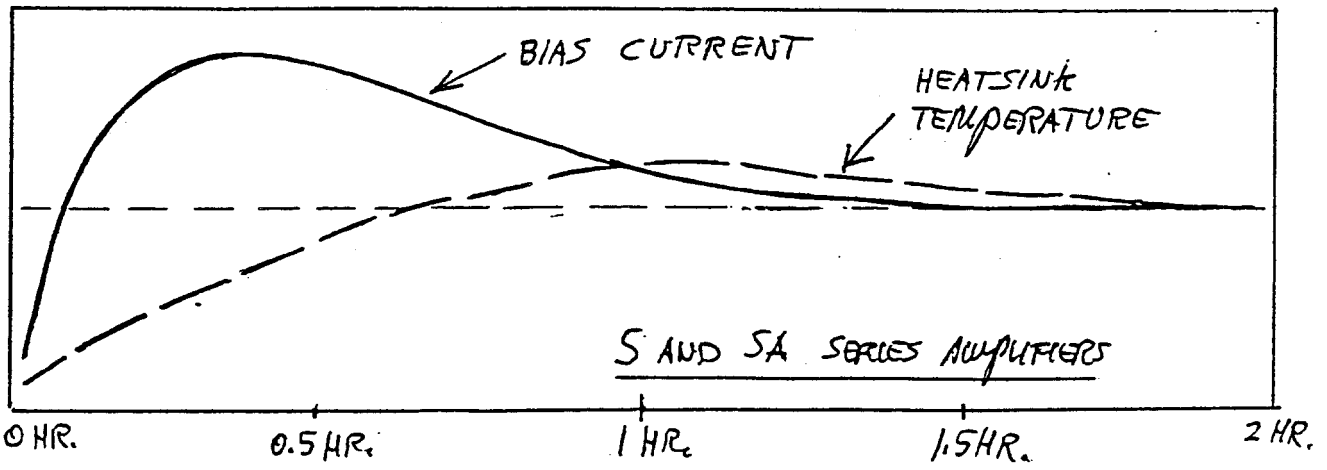


REAR OF AMPLIFIER

ILLUSTRATION #2

TYPICAL BIAS CURRENT/TEMPERATURE/TIME RELATIONSHIPS.





BIAS REQUIREMENTS CHART

NOTES:
1. All covers must be on.
2. Maximum allowable variation in temperature from channel to channel is 5 degrees centigrade.
3. When using .01 ohm resistor to measure bias current 10 mV. = 1 A. of current.

AMPLIFIER	COLD START VALUE	FINAL TEMPERATURE
800A	About 1.2 A. AC line current (120V)	(slightly warm when cover closed and fan on full)
400A/4000	1 ohm = 195 mV. 0.68 ohm = 90 mV. 0.33 ohm = 65 mV.	45 degrees c, +/-2 deg. C
CAS-1	Bias for low distortion. Runs cool.	
CAS-2/3	(Same as 400A/4000)	
STASIS 1	90 mV.	Temp.= 45 degrees C, +/- 2 degrees C.
STASIS 2	85 mV.	(Same)
STASIS 3	75 mV.	(Same)

FOR THE FOLLOWING AMPLIFIERS, TWO BIAS VALUES ARE GIVEN FOR TEMPERATURE: ONE FOR NON-OPTO BIAS CIRCUITS (IN PARENTHESIS), AND ONE FOR OPTO-BIAS (NO PARENTHESIS). TOLERANCE FOR ALL TEMPERATURES IS +/- 2 DEGREES CENTIGRADE.

AMPLIFIER	COLD START VALUE	FINAL TEMPERATURE
S/150	180 mV.	(42) 49 degrees
S/160	0.6A.	(-) 49 degrees
S/200	180 mV.	(42) 49 degrees
S/250	0.9A.	(-) 49 degrees
S/300	145 mV.	(42) 49 degrees
S/350	1.2A.	(-) 49 degrees
S/450	1.5A.	(-) 49 degrees
S/500	90 mV.	(42) 49 degrees
S/550	1.2A.	(-) 49 degrees
S/1000	1.2A.	(42) 49 degrees
S/1600	1.2A.	(42) 49 degrees
SA/1	125 mV.	(42) 49 degrees
SA/2	150 mV.	(42) 49 degrees
SA/3	250 mV.	(42) 49 degrees
SA/3.9E	2.1A.	(-) 49 degrees
SA/4E	2.1A.	(42) 49 degrees
SA/6E	1.7A.	(-) 49 degrees
SA/10E	1.4A.	(-) 49 degrees
SA/12E	1.1A.	(-) 49 degrees