

SUPPLEMENTAL DATA

for high voltage, low driving power operation of

TYPE HK257 GAMMATRON

RADIO FREQUENCY POWER AMPLIFIER CLASS "C" UNMODULATED

	Maximum Rating Per Tube	Typical Operation, 1 Tube*					
		235	230	230	230	110	
Power Output		235	230	230	230	110	Watts
Driving Power		0	0.1	0.2	1.4	2.4	Watts
DC Plate Volts	4000	3000	2000	2000	2000	1000	Volts
DC Plate Current	150	100	150	150	150	150	M.A.
DC Suppressor Voltage	-	60	60	0	60	60	Volts
DC Suppressor Current	-	3	3	0	4	6	M.A.
DC Screen Voltage	750	750	750	750	500	400	Volts
DC Screen Current	30	8	11	18	11	20	M.A.
DC Control Grid Voltage	-500	-200	-200	-200	-200	-180	Volts
DC Control Grid Current	25	0	0.4	0.7	6	10	M.A.
Peak RF Control Voltage	-	170	215	225	255	270	Volts
Plate Dissipation	75	65	70	70	70	40	Watts
DC Plate Input	300						Watts

*Other values to obtain similar results may be used provided the maximum ratings are not exceeded.

RADIO FREQUENCY POWER AMPLIFIER -- CLASS "C" PLATE MODULATED

(100% Modulation Peaks, 60% Average Value)

	Maximum Rating Per Tube	1 Tube Typical Carrier Conditions		
		200	195	145 W.
Power Output		200	195	145 W.
Driving Power		0.1	0.2	0.4 W.
DC Plate Volts	3000	2500	2000	1500 V.
DC Plate Current	135	100	125	135 MA.
DC Suppressor Volts	-	60	60	60 V.
DC Suppressor Current	-	3	3	3 MA.
DC Screen Volts	600	600	600	600 V.
DC Screen Current	30	8	10	11 MA.
DC Control Grid Volts	-500	-200	-200	-200 V.
DC Control Grid Current	25	0.6	1.0	1.4 MA.
Peak RF Control Voltage		220	235	255 V.
Plate Dissipation	65	50	55	55 W.
DC Plate Input	250			

RADIO FREQUENCY DOUBLER AMPLIFIER MAXIMUM INPUT 200 WATTS

	Maximum Rating Per Tube	Typical Operation			
		120	110	80	
Power Output		120	110	80	Watts
Driving Power		0	0.2	5.5	Watts
DC Plate Voltage	4000	2000	1500	1000	Volts
DC Plate Current	150	95	120	150	MA.
DC Suppressor Voltage		60	60	60	Volts
DC Suppressor Current		2	3	6	MA.
DC Screen Voltage	750	750	750	500	Volts
DC Screen Current	30	10	15	25	MA.
DC Control Grid Voltage	-500	-400	-400	-400	Volts
DC Control Grid Current	25	0	0.5	12	MA.
Peak RF Control Voltage		400	425	510	Volts
Plate Dissipation	75	70	70	70	Watts

SOUTH SAN FRANCISCO

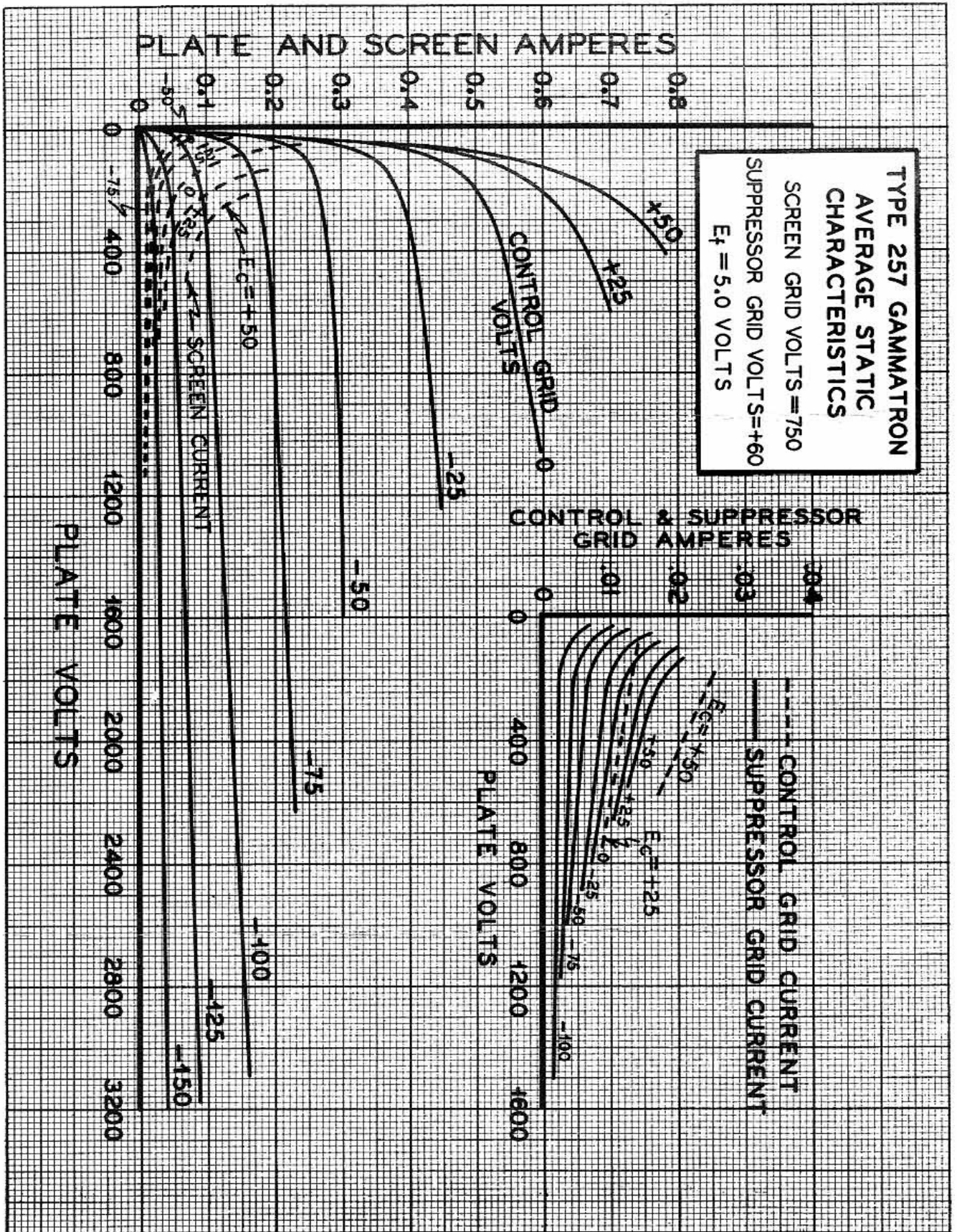
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