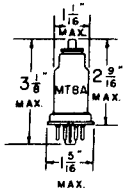
TUNG-SOL

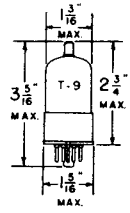


TRIPLE GRID
DETECTOR AMPLIFIER

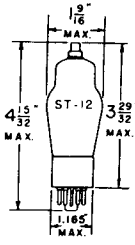
UNIPOTENTIAL CATHODE

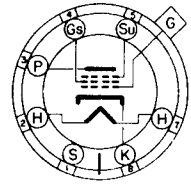
HEATER
12.6 VOLTS 0.15 AMPERE
AC OR DC

SMALL 7 PIN OCTAL BASES



G-7Ra
BOTTOM VIEW





7R
BOTTOM VIEW

THE TUNG-SOL 6J7, 6J7G, 6J7GT AND THE 12J7GT ARE SHARP CUT-OFF GENERAL PURPOSE AMPLIFIERS. WITH THE EXCEPTION OF HEATER AND CAPACITANCE RATINGS, THEIR ELECTRICAL CHARACTERISTICS ARE SIMILAR TO THOSE OF THE 6C6.

RATINGS

	TRIODE[A] CONNECTION	PENTODE CONNECTION	
MAXIMUM PLATE VOLTAGE	250	300	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	–	300	VOLTS
MAXIMUM SCREEN VOLTAGE	–	125	VOLTS
MINIMUM EXTERNAL CONTROL GRID BIAS VOLTAGE	0	0	VOLTS
MAXIMUM PLATE DISSIPATION	1.75	0.75	WATT
MAXIMUM SCREEN DISSIPATION	–	0.10	WATT

[A] SUPPRESSOR GRID AND SCREEN TIED TO PLATE

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

CONTINUED NEXT PAGE

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TUNG-SOL

DIRECT INTERELECTRODE CAPACITANCES

TRIODE CONNECTION

	6J7	6J7G	6J7GT 12J7GT
CONTROL GRID TO CATHODE	5[B]	2.6[C]	2.6[C]
PLATE TO CATHODE	14	17	17
CONTROL GRID TO PLATE	2.0	1.8	1.8

PENTODE CONNECTION

CONTROL GRID TO CATHODE	7[B]	4.6[D]	4.6[D]
PLATE TO CATHODE	12	12	12
CONTROL GRID TO PLATE MAX.	0.005	0.007	0.005

[B] WITH SHELL CONNECTED TO CATHODE
[C] WITHOUT EXTERNAL SHIELD
[D] WITH EXTERNAL SHIELD CONNECTED TO CATHODE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

	TRIODE CONNECTION		PENTODE CONNECTION		
PLATE VOLTAGE	180	250	100	250	VOLTS
SCREEN VOLTAGE	PLATE	PLATE	100	100	VOLTS
CONTROL GRID VOLTAGE [E]	-5.3	-8	-3	-3	VOLTS
SUPPRESSOR GRID	PLATE	PLATE	CONNECTED TO CATHODE AT SOCKET		
PLATE CURRENT	5.3	6.5	2.0	2.0	MA.
SCREEN CURRENT	—	—	0.5	0.5	MA.
PLATE RESISTANCE APPROX.	0.0110	0.0105	1.0	— [F]	MEGOHM
TRANSCONDUCTANCE	1800	1900	1185	1225	μMHOS
CONTROL GRID VOLTAGE FOR CATHODE CURRENT CUT-OFF	—	—	-7	-7	VOLTS

[E] THE DC RESISTANCE IN THE GRID CIRCUIT SHOULD NOT EXCEED 1.0 MEGOHM

[F] GREATER THAN 1 MEGOHM

PLATE 1023-1

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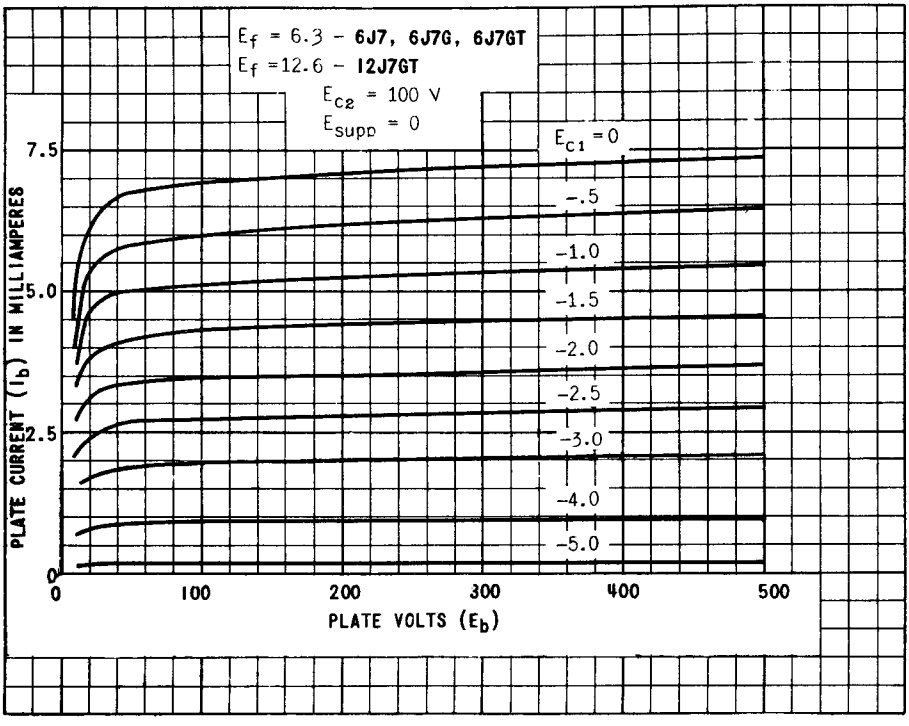

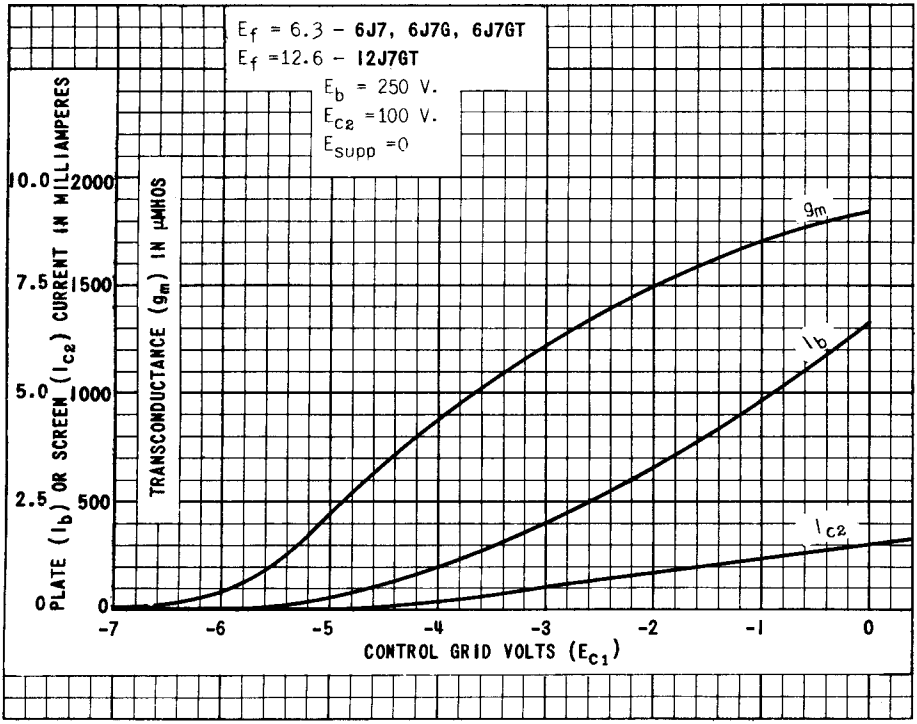

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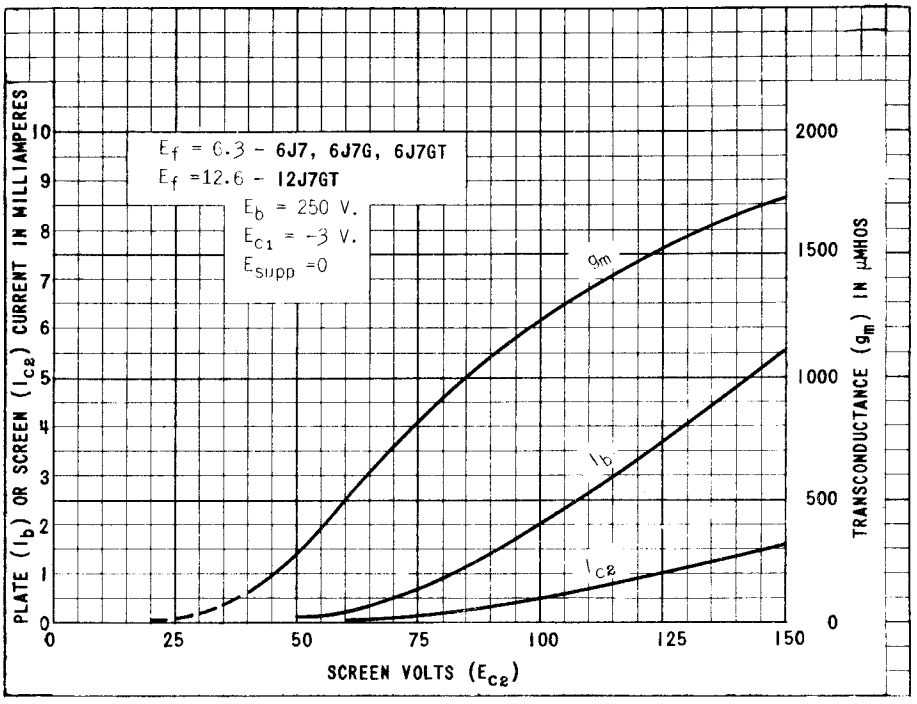
(6J7, 6J7G, 6J7GT) 12J7GT



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