

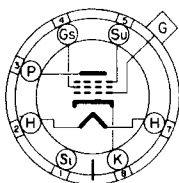
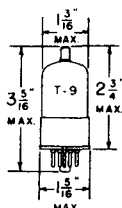
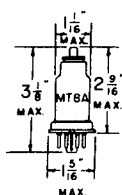
TUNG-SOL

TRIPLE GRID DETECTOR AMPLIFIER

UNIPOTENTIAL CATHODE

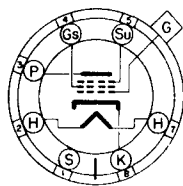
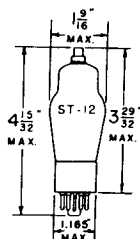
HEATER
12.6 VOLTS 0.15 AMPERE
AC OR DC

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

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

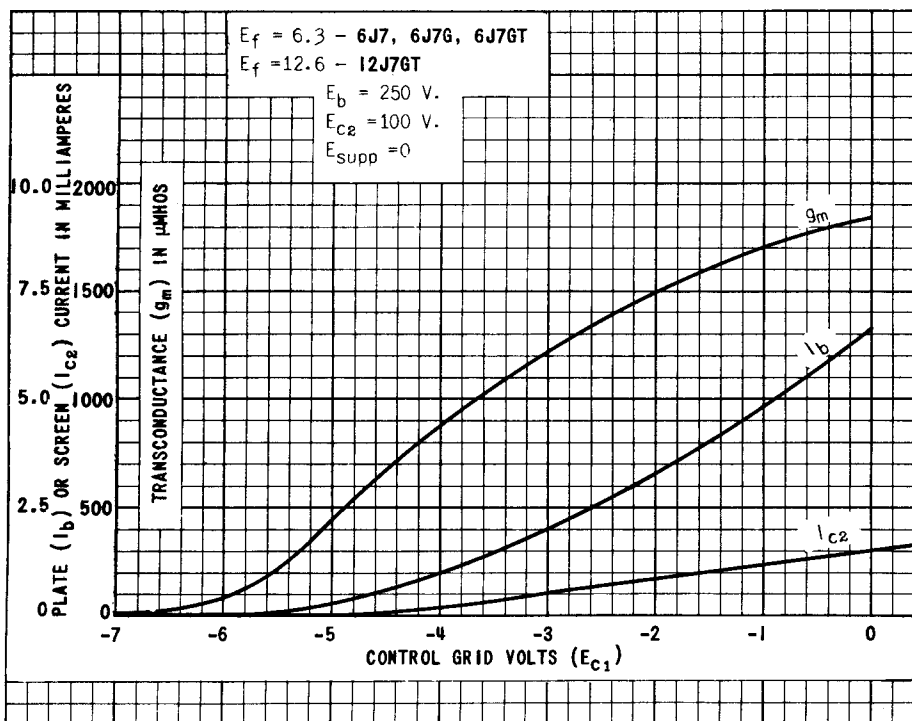
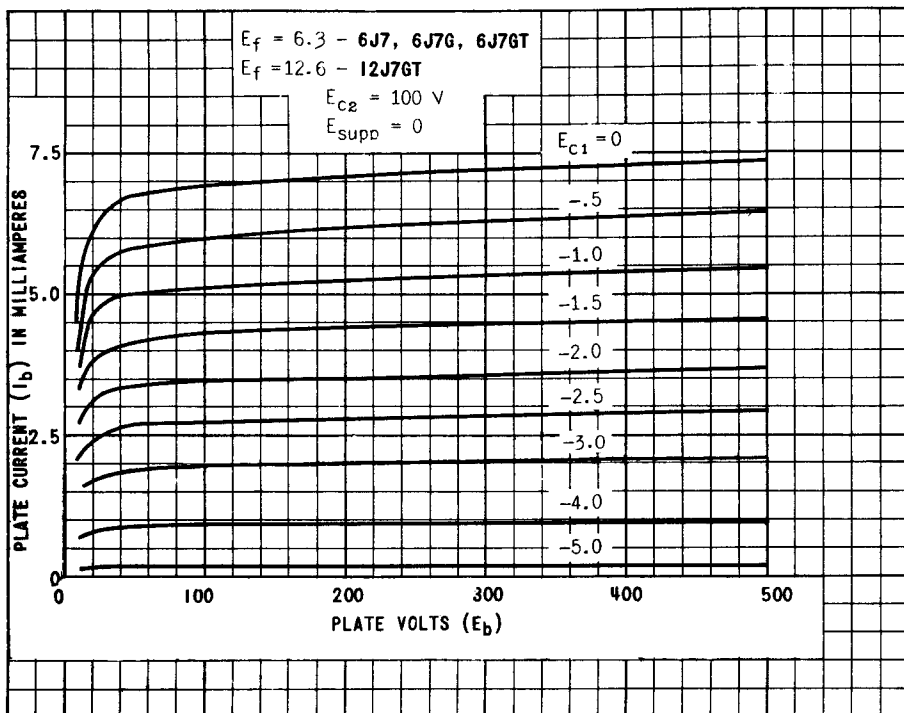
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

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	-	-	-7	-7	VOLTS

FOR CATHODE CURRENT CUT-OFF

^E THE DC RESISTANCE IN THE GRID CIRCUIT SHOULD NOT EXCEED 1.0 MEGOHM^F GREATER THAN 1 MEGOHMPLATE
1023-1APR. 21
1941



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

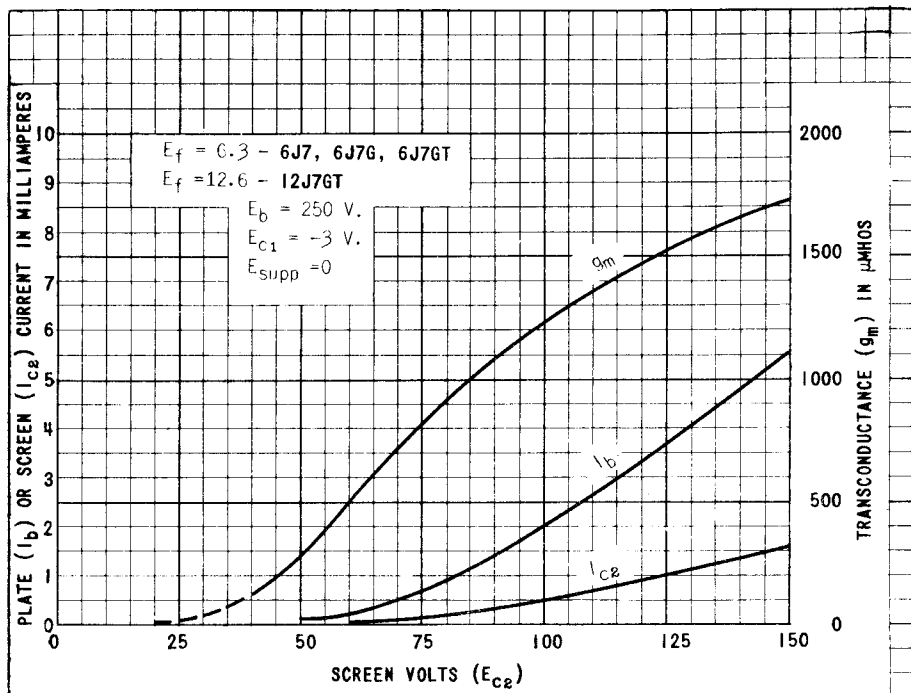


PLATE
1025-1
APR. 21
1941