

TUNG-SOL

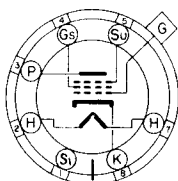
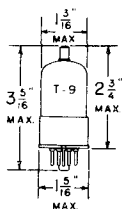
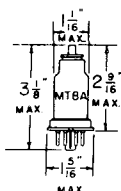
TRIPLE GRID DETECTOR AMPLIFIER

UNIPOTENTIAL CATHODE

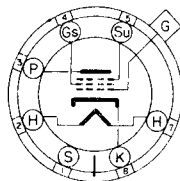
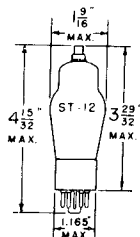
HEATER

5.3 VOLTS 0.3 AMPERE

AC OR DC



G-7Ra



7R

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.

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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	-	-	-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
1005-3APR. 21
1941

12J7GT 6J7, 6J7G, 6J7GT

