

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

OPERATION AS CLASS C OSCILLATOR

OPERATING FREQUENCY	1680	MC/S
CHARACTERISTICS IMPEDANCE OF COAXIAL OUTPUT TERMINAL (APPROX.)	50	Ω
DC PLATE SUPPLY VOLTAGE	117	VOLTS
GRID RESISTOR - ADJUSTED FOR STATED PLATE CURRENT AVG. VALUE	1500	Ω
DC PLATE CURRENT	27	MA.
DC GRID CURRENT	4.5	MA.
USEFUL POWER OUTPUT (APPROX.)	575	MW.

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	MIN.	MAX.	
TUNING RANGE	1660	1700	MC/S
LOAD ADJUSTED FOR VOLTAGE STANDING WAVE RATIO		1.1	
HEATER CURRENT AT $E_f = 5.2$ V.	135	157	MA.
GRID RESISTOR - SEE NOTE	1300	2400	Ω
USEFUL POWER OUTPUT AT $E_f = 5.2$ V., $E_{bb} = 95$ V.	250	-----	MW.

SPECIAL TESTS AND PERFORMANCE DATA

CONTROLLED ON A SAMPLING BASIS

LOW-PRESSURE VOLTAGE BREAKDOWN TEST
 HIGH-FREQUENCY VIBRATION TEST
 MILITARY SPECIFICATIONS SHORTS AND CONTINUITY TEST PERFORMED ON ALL DEVICES
 TEMPERATURE-FREQUENCY PERFORMANCE
 5 HOUR RADIOSONDE LIFE PERFORMANCE TEST

NOTE:

ADJUSTED TO GIVE PLATE CURRENT AS CLOSE AS POSSIBLE, BUT NOT EXCEEDING 33 MA.
 OPERATE WITH $E_f = 6.6$ V., $E_{bb} = 117$ V., PLATE LOAD RESISTANCE OF 50Ω , FREQUENCY
 ADJUSTED TO 1660 ± 3 , -1 MC/S.