

DC GRID-No.2 VOLTAGE	300 max	300 max	volts
DC GRID-No.1 VOLTAGE	-125 max	-125 max	volts
DC PLATE CURRENT	110 max	110 max	ma
DC GRID-No.1 CURRENT	5 max	5 max	ma
PLATE INPUT	35 max	45 max	watts
GRID-No.2 INPUT	3.5 max	3.5 max	watts
PLATE DISSIPATION	21 max	25 max	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode	200 max	200 max	volts
Heater positive with respect to cathode	200 max	200 max	volts

Typical Operation:

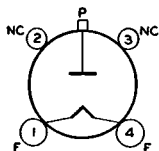
DC Plate Voltage	375	450	volts
DC Grid-No.2 Voltage*	250	250	volts
From series resistor of	12500	25000	ohms
DC Grid-No.1 Voltage†	-40	-45	volts
From grid-No.1 resistor of	20000	22500	ohms
From cathode resistor of	425	410	ohms
Peak RF Grid-No.1 Voltage	51	73	volts
DC Plate Current	80	100	ma
DC Grid-No.2 Current	10	8	ma
DC Grid-No.1 Current (Approx.)	2	2	ma
Driving Power (Approx.)	0.1	0.15	watt
Power Output (Approx.)	21	31	watts

Key-down conditions per tube without amplitude modulation. Amplitude modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115 per cent of the carrier conditions.

* Obtained from separate source, from plate-voltage supply with a voltage divider, or through series resistor of value shown.

† Obtained from fixed supply, by grid-No.1 resistor, by cathode resistor, or by combination methods.

HALF-WAVE VACUUM RECTIFIER



Coated-filament type used in power supply of transmitting and industrial equipment. Maximum peak inverse plate volts, 6000; maximum average plate amperes, 0.13. Requires a

1616

Small four-contact socket and may be mounted in vertical position with base down, or in horizontal position with pins 1 and 4 in vertical plane. *OUTLINE 45, Outlines Section.*

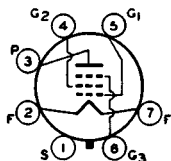
FILAMENT VOLTAGE	2.5 ± 10%	volts
FILAMENT CURRENT	5.0	amperes

HALF-WAVE RECTIFIER

Maximum Ratings:

PEAK INVERSE PLATE VOLTAGE	6000 max	volts
PLATE CURRENT:		
Peak	800 max	ma
Average	130 max	ma
Fault	2.5 max	amperes

BEAM POWER TUBE



Coated-filament type having metal shell used as af power amplifier and modulator and as rf power amplifier and oscillator. May be used with full input up to 45 Mc. For operation at 60 Mc, plate voltage and plate input should be reduced to 90 per cent of maximum ratings; at 90 Mc, to 77 per cent. Requires Octal socket and may be mounted in vertical position only, base down or up. *OUTLINE 21, Outlines Section.* The 1619 is used principally for renewal purposes.

1619