CATHODE.
Tungsten filament
Nominal (Actual voltage marked on bulb) 22 V
Nominal current 70 A
Peak emission 12 A

RATING.
Amplification factor \{ Measured at \} 26
Impedance \{ V 12 kV, Ia 1.5 A \} 2,900 \Omega

DIRECT INTER-ELECTRODE CAPACITIES.
Grid to anode 26 pF
Grid to filament 1.3 pF
Anode to filament 20.0 pF

AIR COOLING.
For anode dissipation of 20 kW.
Volume of air at a pressure of 2 in. of water 2,000 cu. ft./min.
Maximum temperature of core of cooler 150° C.
Maximum ambient temperature 45° C.

DIMENSIONS.
Maximum overall length 520 mm.
Maximum diameter over cooler 302 mm.
Net weight 8.15 kg.

MAXIMUM RATINGS.
Maximum direct anode voltage 17.5 kV.
Maximum direct anode current 2.5 A.
Maximum anode dissipation 20 kW.
Maximum grid dissipation 1.2 kW.
Maximum frequency for above ratings 22 Mc/s

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TYPICAL OPERATING CONDITIONS.

RADIO FREQUENCY.

Class B Telephony.
Modulated. Carrier applied to grid. (Carrier conditions per valve for use with 100% modulation).

| Direct anode voltage | 15      | kV. |
| Grid bias           | 600     | V   |
| Direct anode current| 2.0     | A   |
| Power Output        | 10 kW approx. |   |

Class C Power Amplifier. Anode subject to modulation.
(Carrier conditions per valve for use with 100% modulation).

| Direct anode voltage | 15      | kV |
| Grid bias           | 2,000   | V  |
| Direct anode current| 2       | A  |
| Power Output        | 20 kW approx. |   |

Class C Power Amplifier or Oscillator, unmodulated.

| Direct anode voltage | 17      | kV |
| Grid bias           | 1,600   | V  |
| Direct anode current| 2.5     | A  |
| Power Output        | 30 kW approx. |   |
Air-Blast-Cooled R.F.
Power Amplifier
Triode

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