

BRIMAR VALVES

TYPE **6132**

R.M.A. REGISTRATION DATA

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6132
TRUSTWORTHY VIDEO AMPLIFIER PENTODE.

The 6132 is a miniature type amplifier pentode designed for trustworthy operation under conditions of vibration and mechanical shock.

It uses a 9-pin glass button base, and has electrical characteristics similar to those of the 6CH6.

MECHANICAL DATA.

Coated unipotential cathode.

Outline drawing 6-3 Bulb T-6 $\frac{1}{2}$
 Base E9-1 Small glass button 9-pin.
 Maximum diameter 7/8"
 Maximum overall length 2.5/8"
 Maximum seated height 2.3/8"
 Pin connections Basing No. 9BA

Pin 1 - I.C.	Pin 6 - I.C.
Pin 2 - Grid No.1	Pin 7 - Anode
Pin 3 - Cathode	Pin 8 - Grid No.2
Pin 4 - Heater	Pin 9 - Grid No.3
Pin 5 - Heater	

Mounting position any
 Maximum shock (in intermittent service) 500 g
 Vibration (continuous service) 2.1/2 g
 Mechanical Resonance None below 100c/s

ELECTRICAL DATA:

Direct Inter-electrode capacitances:

Grid to anode25 pF max.
 Input 14 pF
 Output 5.0 pF
 (External shield not used)

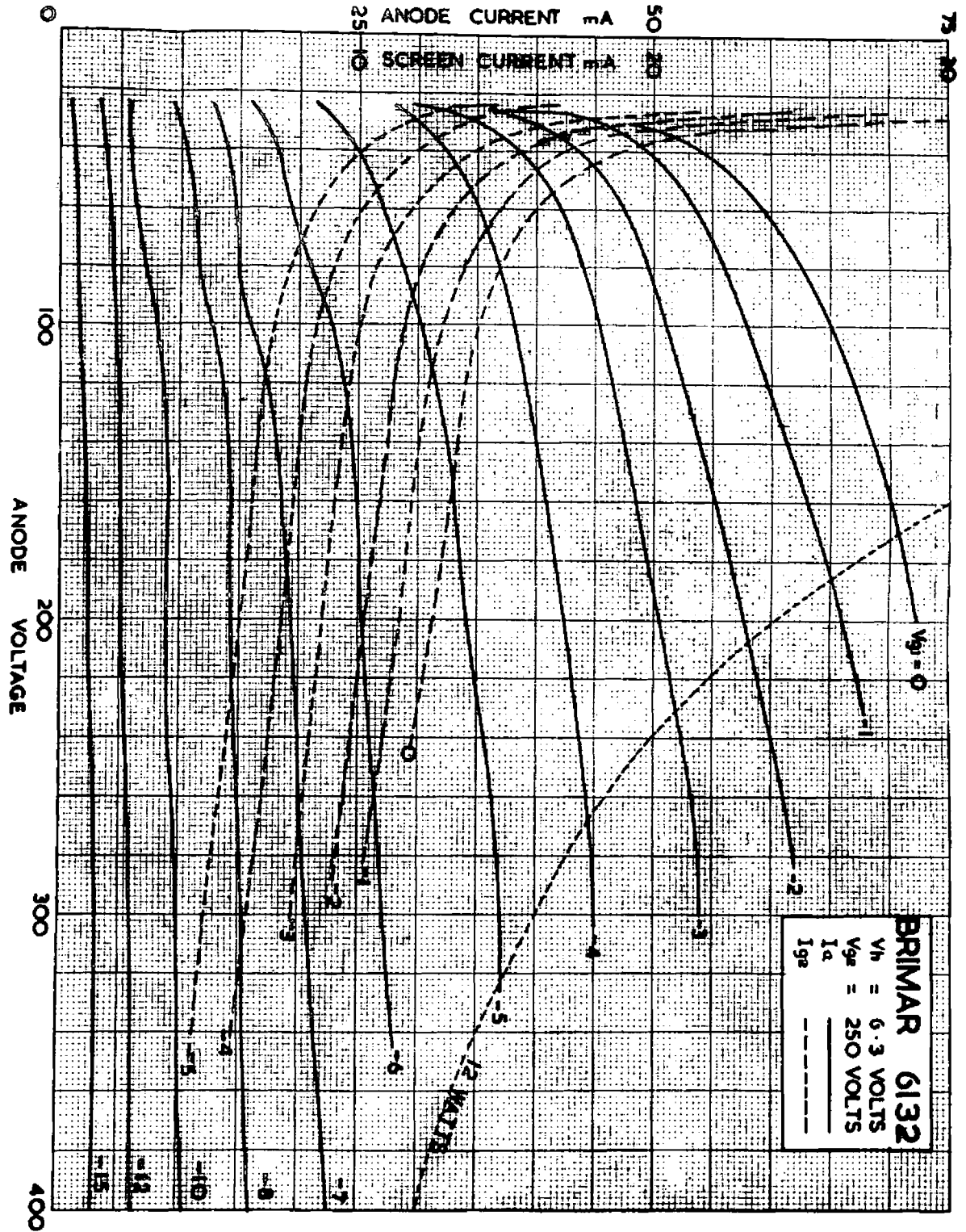
Ratings:

Heater voltage nominal (ac or dc)	6.3 volts
Maximum heater-cathode voltage	90 volts
Maximum anode voltage	275 volts
Maximum Grid No.2 voltage	275 volts
Maximum anode dissipation	12 watts
Maximum Grid No.2 dissipation	2.5 watts
Maximum bulb temperature	250°C
Peak instantaneous cathode current	1.5 amps.

Typical operating conditions and characteristics:

Heater voltage	6.3 volts
Heater current	0.75 amp
Anode voltage	250 volts
Grid No.2 voltage	250 volts
Grid No.1 voltage	-4.5 volts
Grid No.3 voltage	0 volts
Anode impedance	50,000 ohms
Transconductance	11,000 μ mhos
Anode current	40.0 mA
Grid No.2 current	6.0 mA
Amplification factor (g2-g1)	26

STANDARD TELEPHONES & CABLES, LIMITED.



BRIMAR 6132
 $V_h = 6.3$ VOLTS
 $V_{g2} = 250$ VOLTS
 I_a ———
 I_{g2} - - - -