

BRIMAR

VALVES

TYPE **6132**DATE
ISSUED **15.11.51.**

R.M.A. REGISTRATION DATA

6132TRUSTWORTHY 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 anode 25 pF max.

Input 14 pF

Output 5.0 pF

(External shield not used)

Sheet 1 of 2

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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

