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RADIO VALVE CO. OF CANADA LTD.
TORONTO, CANADA

Electronic Tube 6118 - Technical Information

The 6118 is a duplex-diode high mu triode similar to the 6Q7, designed for reliable performance under conditions of severe vibration and intermittent operation such as encountered in aircraft and mobile applications.

TECHNICAL INFORMATION

GENERAL

Electrical Data

Cathode - Indirectly heated

Heater Voltage (AC or DC) 6.3 Volts
Heater Current 0.300 Amperes

Mechanical Data

Envelope - MT-8A1
Base - Small wafer octal 7-pin
Cap - Miniature
Mounting Position - Any

Direct Interelectrode Capacities (shell connected to cathode) ▲

Grid to Plate	1.4	uuf
Grid to Cathode	5.0	uuf
Plate to Cathode	3.8	uuf

RATINGS

Maximum Plate Voltage	300	Volts
Maximum Heater Cathode Potential	90	Volts
Maximum Diode Operation Current per plate	0.9	Milliamperes

TYPICAL OPERATION CONDITIONS AND CHARACTERISTICS: Amplifier Class A₁

Heater Voltage	6.3	6.3	Volts
Plate Voltage	100	250	Volts
Grid Voltage	-1.0	-3.0	Volts
Amplification Factor	70	70	
Plate Resistance (Approx.)	58000	58000	Ohms
Transconductance	1200	1200	umhos
Plate Current	0.8	1.0	Ma.
* Vibration Output, Maximum		25	Millivolts

▲ Values are approximate.

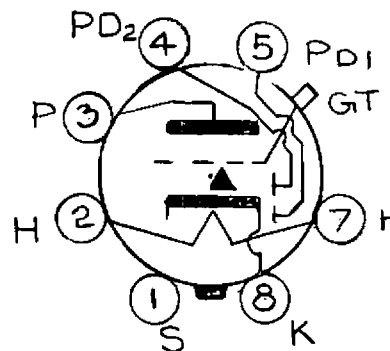
Maximum ratings are design center values.

* RMS voltage measured across a load resistor of 10,000 ohms when tube is vibrated with a total sinusoidal motion of .08 inches at 25 cycles per second. Average output is less than value shown.

TERMINAL CONNECTIONS

- Pin 1 - Internal shield and shell
- Pin 2 - Heater
- Pin 3 - Triode plate
- Pin 4 - Diode 2
- Pin 5 - Diode 1
- Pin 7 - Heater
- Pin 8 - Cathode
- Cap - Triode grid

BASING DIAGRAM



7V