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RADIO VALVE CO. OF CANADA, LTD.
TORONTO, CANADA

Electronic Tube 5732 - Preliminary Technical Information

The 5732 is a voltage amplifier pentode similar to the 6K7 designed for reliable performance under conditions of severe vibration and intermittent operation.

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 Cg1-p	.005 max.	uuf
Input Cg1 (h+k+g2+g3+S & Int. Shield)	7	uuf
Output Cp (h+k+g2+g3+S & Int. Shield)	12	uuf

RATINGS

Maximum Plate Voltage	300	Volts
Maximum Screen Supply Voltage	300	Volts
Maximum Screen Voltage	125	Volts
Maximum Plate Dissipation	2.75	Watts
Maximum Screen Dissipation	.35	Watts
Minimum External Grid Bias Voltage	0	Volts
Maximum Heater Cathode Potential	90	Volts

TYPICAL OPERATION CONDITIONS AND CHARACTERISTICS: Amplifier Class A1

Heater Voltage	6.3	6.3	6.3	Volts
Plate Voltage	100	250	250	Volts
Screen Voltage	100	100	125	Volts
Grid Voltage (Grid No. 1)	-1	-3	-3	Volts
Suppressor (Grid No. 3)	Connected to Cathode at Socket			
Plate Resistance (Appx.)	0.15	0.8	0.6	Megohm
Transconductance	1650	1450	1650	umhos
Grid Bias for Transconductance =2 umhos (Appx.)	-38.5	-42.5	-52.5	Volts
Plate Current	9.5	7.0	10.5	ma
Screen Current	2.7	1.7	2.6	ma
℄ Vibration Output, Maximum		30		Millivolts

Maximum ratings are design center values.

ϕ 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 - Plate
Pin 4 - Grid #2
Pin 5 - Grid #3
Pin 7 - Heater
Pin 8 - Cathode
Cap - Grid #1

BASING DIAGRAM