


# RADIOTRON

1603

## TRIPLE-GRID DETECTOR AMPLIFIER

For applications critical as to microphonics

1603

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:		
	<i>Pentode Connection</i>	<i>Triode Connection</i> <sup>ⓐ</sup>
Grid to Plate	0.007 max.*	2.0 μf
Input	5.0	3.0 μf
Output	6.5	10.5 μf
Overall Length	4-11/16" to 4-15/16"	
Maximum Diameter	1-9/16"	
Bulb	ST-12	
Cap	Small Metal	
Base	Small 6-Pin	
Pin 1 - Heater		Pin 5 - Cathode
Pin 2 - Plate		Pin 6 - Heater
Pin 3 - Screen		Cap - Grid
Pin 4 - Suppressor		
Mounting Position	BOTTOM VIEW	Any
<p>ⓐ grids #2 and #3 tied to plate.</p> <p>* with shield-can. The internal shield within the dome of the 1603 is connected to the cathode within the tube.</p> <p>Type 1603 is similar electrically and in external dimensions to type 6C6 but is intended for applications which are critical as to microphonics.</p> <p>For maximum ratings, typical operating conditions and curves, see under type 6J7-G.</p>		
<p>e—indicates a change.</p>		