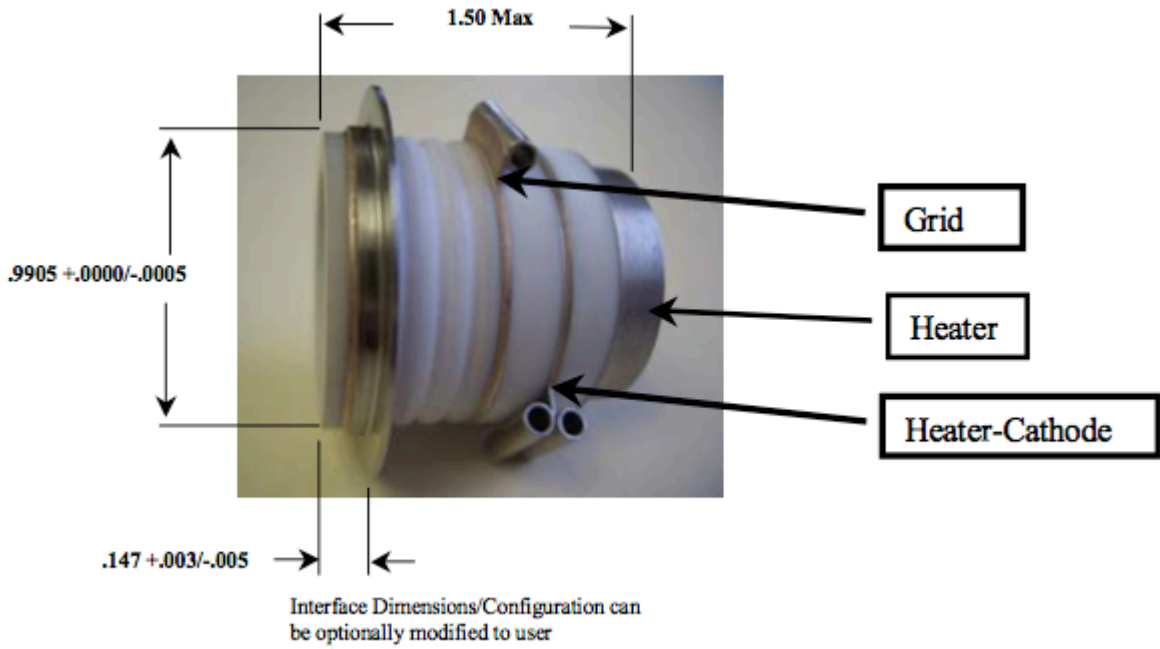


## Electron Gun



<b><u>Electrical Requirements</u></b>		
<b>Perveance</b>	<b>0.9 upervs</b>	
Grid		
Cutoff	$E_k / E_c \geq 110$	-55V to -65V @ 12 kV
$E_k$	12kV	9 to 15kV
Grid Drive	1.2A I <sub>k</sub>	50V to 70V typical
Heater	Voltage: 6.3V Max	Current: 2.0A Max
<b>Cathode</b>	<b>Dispenser Type</b>	
<b>Coating</b>	<b>M-type: 80% Os, 20% W</b>	
<b>Mix</b>	<b>5:3:2 with a molecular weight of 67.3% BaO, 14.8% CaO, 17.9% Al<sub>2</sub>O<sub>3</sub></b>	
<b>Optional Mix</b>	<b>3:1:1</b>	
<b>Optional Mix</b>	<b>6:1:2</b>	
Beam Shape	Call for Beam Characteristics	Call for Beam Characteristics
<b>Leakage</b>	<b>Cathode to Ground: 100 uA at 21kV</b>	
<b><u>Environmental Requirements</u></b>		
Temperature		
Operating	-5°C to +40°C	
Storage	-20°C to +60°C	