

6F17

MINIATURE PULSE & R.F. BEAM TETRODE

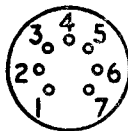
Indirectly heated— for parallel operation

<u>RATING</u>			
Heater Voltage (volts)	V_h		6.3
Heater Current (amps)	I_h		0.3
Maximum Anode Voltage (volts)	$V_a(\max)$		600
Maximum Screen Voltage (volts)	$V_{g2}(\max)$		600
Mutual Conductance (mA/V)	G_m		8.3
Maximum Anode Dissipation (watts)	P_a		‡ 3.5
Maximum Screen Dissipation (watts)	P_{g2}		0.7
<ul style="list-style-type: none"> * Tested under pulse conditions and taken at $V_a = V_{g2} = 250v$; $V_{g1} = -6.25v$; $I_a \leq 64mA$. 			
<ul style="list-style-type: none"> ‡ If used in a can at maximum rating the can must be matt black both internally and externally. 			
<u>INTER-ELECTRODE CAPACITANCES</u>			
		‡	¶
Anode/Control Grid (μF)	C_{a-g1}	.03	.033 .05
Anode/Earth (μF)	C_{out}	6.0	7.1 5.9
Control Grid/Earth (μF)	C_{in}	6.6	7.6 7.5
<ul style="list-style-type: none"> ‡ Inter-electrode capacitance with holder capacitance balanced out, but with cylindrical screen. ¶ Total capacitance including Benjamin B7G holder type 75/828 and cylindrical screen type 75/832. Total capacitance including Benjamin B7G holder type 75/663R without cylindrical screen. 			
<u>DIMENSIONS</u>			
Maximum Overall Length (mm)			54
Maximum Diameter (mm)			19
Maximum Seated Height (mm)			47.5
Approximate Nett Weight (ozs)			1
Approximate Packed Weight (ozs)			2
<u>MOUNTING POSITION</u> - Unrestricted.			

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BULB Clear

BASE B7G



Viewed from free end of pins

CONNEXIONS

Pin 1	Control Grid	g1
Pin 2	Cathode	k
Pin 3	Heater	h
Pin 4	Heater	h
Pin 5	Anode	a
Pin 6	Beam Plates	
Pin 7	Screen Grid	g2



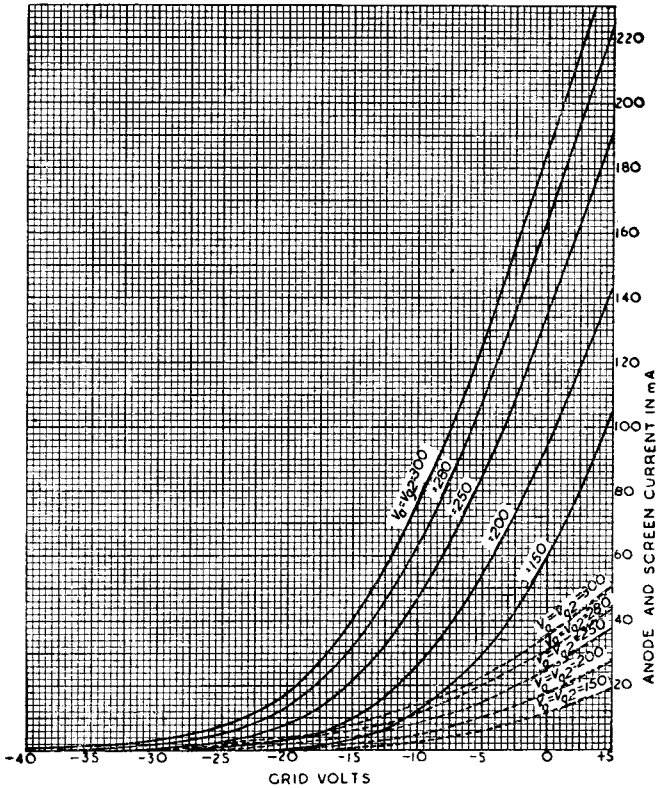
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AVERAGE CHARACTERISTIC CURVES

These curves were taken with a short duration pulse having a 400 : 1 o.f. to on period



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Indirectly heated—for parallel operation

AVERAGE CHARACTERISTIC CURVES

These curves were taken with a short duration pulse
having a 400:1 off to on period at $V_{g2} = 280$

