



6F17

MINIATURE PULSE & R.F. BEAM TETRODE

Indirectly heated—for parallel operation

RATING

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

- Tested under pulse conditions and taken at V_a = V_{g2} = 250v; V_{g1} = -6.25v; I_a = 64mA.

- † If used in a can at maximum rating the can must be matt black both internally and externally.

INTER-ELECTRODE CAPACITANCES

			q	l
Anode/Control Grid (μF)	C _{a-gl}	.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

- || Inter-electrode capacitance with holder capacitance balanced out, but with cylindrical screen.

- q Total capacitance including Benjamin B7G holder type 75/828 and cylindrical screen type 75/832.

- l Total capacitance including Benjamin B7G holder type 75/663R without cylindrical screen.

DIMENSIONS

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

MOUNTING POSITION - 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

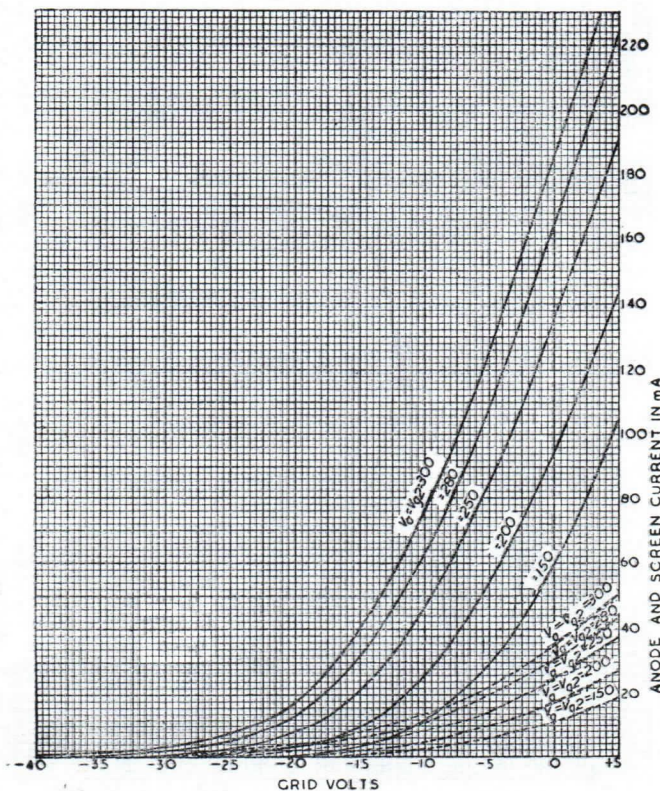
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AVERAGE CHARACTERISTIC CURVES

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



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AVERAGE CHARACTERISTIC CURVES

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

