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 $V_a = V_{g2} = 250v$; $V_{g1} = -6.25v$; $I_a \simeq 64mA$.

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

INTER-ELECTRODE CAPACITANCES

		‖	¶	⌊
Anode/Control Grid (μμF)	C_{a-g1}	.03	.033	.05
Anode/Earth (μμF)	C_{out}	6.0	7.1	5.9
Control Grid/Earth (μμF)	C_{in}	6.6	7.6	7.5

‖ 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.

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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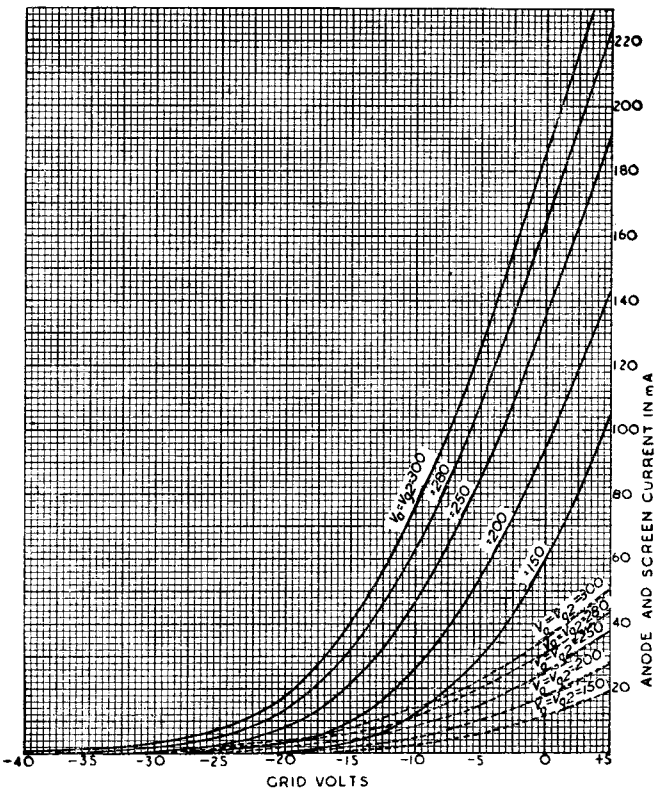
AVERAGE CHARACTERISTIC CURVES

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



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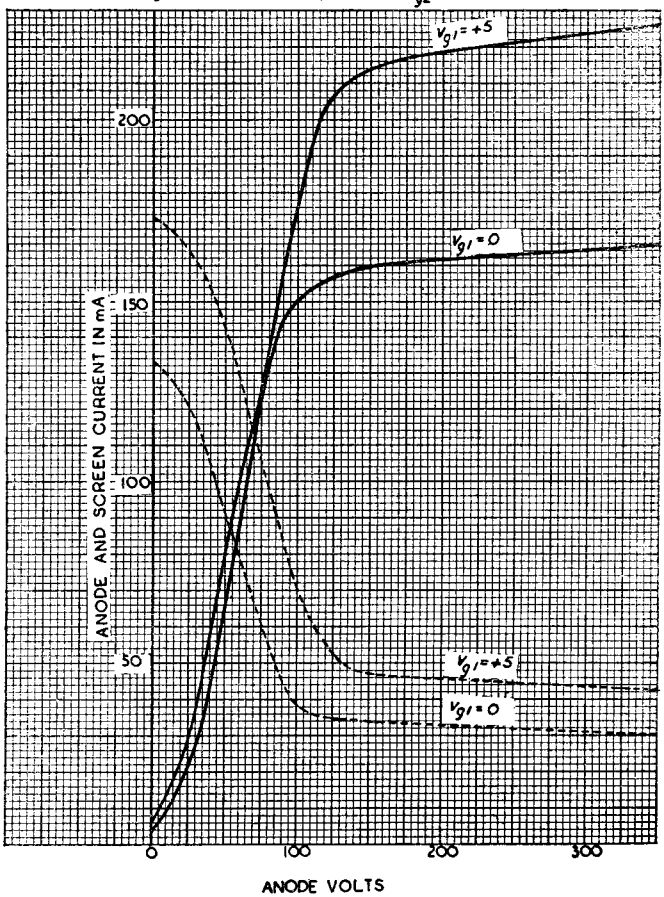
MINIATURE PULSE & R. F. BEAM TETRODE

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 $V_{g2}=280$



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