R.F. POWER TETRODE

QV04-7R

Special quality beam tetrode with aligned grid construction to minimise screen current and a maximum anode dissipation of 7.5W. Suitable for use at frequencies up to 150Mc/s as an r.f. amplifier or as a frequency multiplier.

This data should be read in conjunction with GENERAL OPERATIONAL RECOMMENDATIONS—TRANSMITTING VALVES included in this volume of the handbook.

CATHODE Indirectly heated

V_h	6.3	V
I_h	600	mA
Heating time	22	s

CAPACITANCES (measured without external shield)

c_{in}	8.2	pF
c_{out}	6.0	pF
c_{a-g1}	0.07	pF

CHARACTERISTICS at $V_a = 250V$, $V_{g2} = 135V$, $V_{g1} = 10V$, $I_a = 30mA$

g_m	3.0	mA/V

LIMITING VALUES (absolute ratings)

$V_{a(b)}$ max.	550	V
V_a max.	400	V
$V_{g2(b)}$ max.	550	V
V_{g2} max.	250	V
p_a max.	7.5	W
p_{g2} max.	1.75	W
I_k max.	55	mA
I_{g1} max.	6.0	mA
V_{h-k} max.	150	V
T_{bulb} max.	200	°C

EQUIPMENT DESIGN RANGE

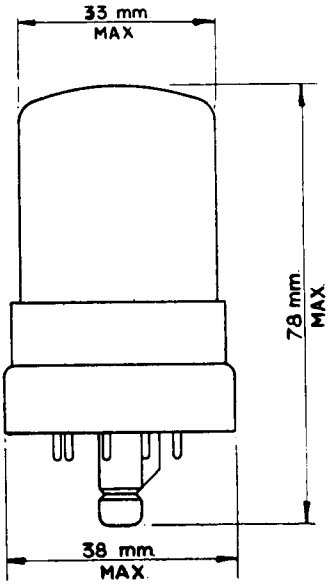
	Min.	Max.	
I_h ($V_h = 6.3V$)	540	660	mA
g_m ($V_a = 250V$, $V_{g2} = 135V$, $V_{g1} = -10V$, peak grid swing $\pm 1V$)	2.25	3.75	mA/V
I_a ($V_a = 250V$, $V_{g2} = 135V$, $V_{g1} = -10V$)	20	40	mA
*c_{in}	7.0	9.4	pF
*c_{out}	5.2	6.8	pF
*c_{a-g1}	—	0.09	pF

*Measured on 1Mc/s bridge with valve mounted in a fully shielded socket and no external screen.

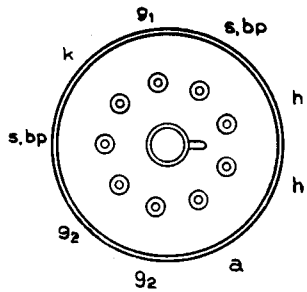
The operating conditions and curves are identical with those given for QV04-7.

QV04-7R

DIMENSIONS AND BASE CONNECTIONS



9-PIN PRESSED GLASS BASE TO FIT B9G VALVE HOLDER



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