

R.F. POWER TETRODE

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.

QV04-7R

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)

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

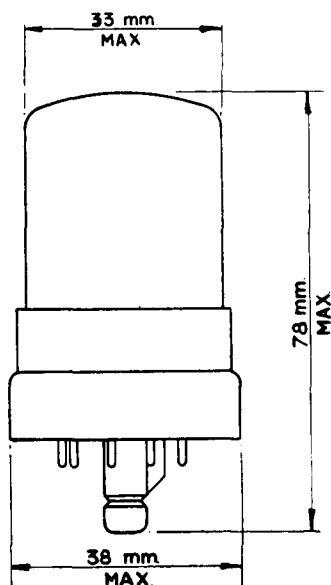
EQUIPMENT DESIGN RANGE

	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.

DIMENSIONS AND BASE CONNECTIONS



9-PIN PRESSED GLASS BASE TO FIT B9G VALVE HOLDER

