

SUBMINIATURE R.F. PENTODE

EF730

R.F. pentode with short suppressor-grid base.

HEATER

V_h	6.3	V
I_h	150	mA

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 5mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.

COOLING

In operation this valve may become very hot and to obtain satisfactory life it should be adequately cooled. A suitable method is to mount the valve in a metal clip which conducts the heat away to a suitable heat sink.

CAPACITANCES

	<i>Shielded</i>	<i>Unshielded</i>	
C_{a-g1}	< 0.02	< 0.034	pF
C_{a-g3}	< 1.1	< 1.1	pF
C_{g1-g3}	< 0.15	< 0.17	pF
$C_{in(g1)}$	4.0	4.0	pF
$C_{in(g3)}$	3.7	3.7	pF
C_{out}	3.4	2.1	pF

CHARACTERISTICS

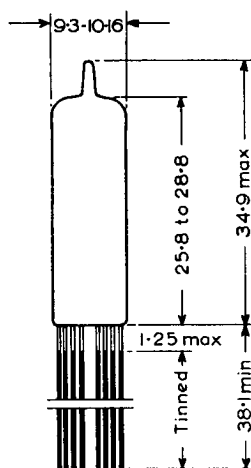
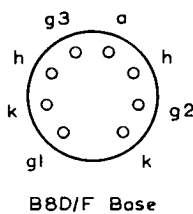
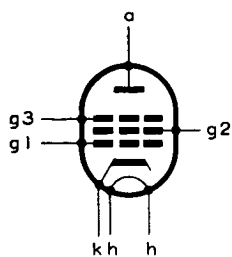
V_a	100	V
V_{g3}	0	V
V_{g2}	100	V
V_{g1}	-1.4	V
I_a	5.3	mA
I_{g2}	4.1	mA
$g_{m(g1-a)}$	3.2	mA/V
$g_{m(g3-a)}$	500	μ A/V
r_a	110	k Ω
$V_{g1} (I_a = 10\mu A)$	-7.5	V
$V_{g3} (I_a = 10\mu A)$	-8.0	V

LIMITING VALUES (absolute ratings)

$V_{a(b)}$ max.	330	V
V_a max.	165	V
p_a max.	1.1	W
+ V_{g3} max.	30	V
$V_{g2(b)}$ max.	310	V
V_{g2} max.	155	V
- V_{g1} max.	55	V
p_{g2} max.	700	mW
I_a max.	11	mA
I_{g2} max.	7.0	mA
V_{h-k} max.	200	V

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All dimensions in mm