

SUBMINIATURE VARIABLE-MU R.F. PENTODE

EF71

Variable-mu pentode suitable for use in controlled
r.f. amplifiers.

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.

CAPACITANCES

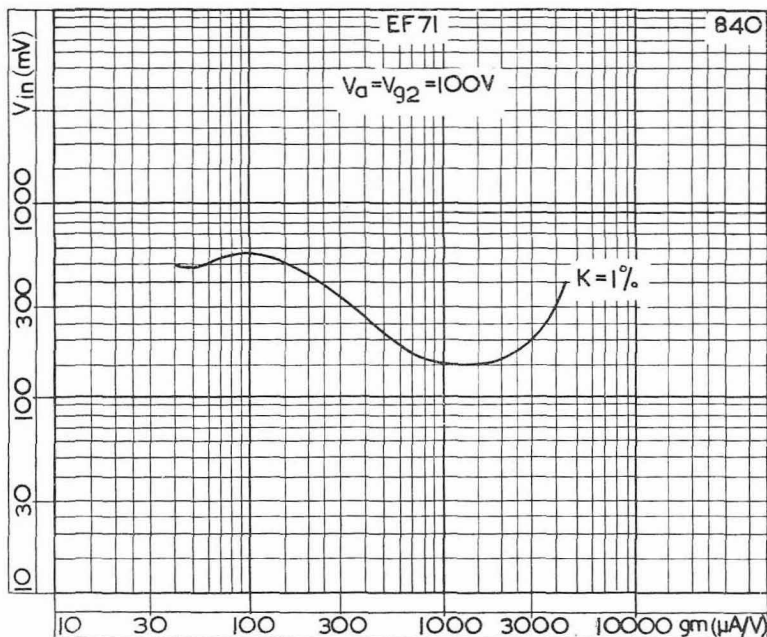
	Shielded	Unshielded	
C_{in}	4.5	4.0	pF
C_{out}	3.4	1.9	pF
C_{a-g1}	< 0.015	< 0.035	pF

CHARACTERISTICS

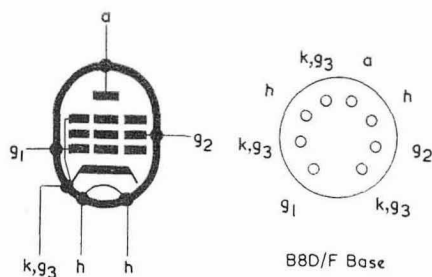
V_{a1}	100	V
V_{g2}	100	V
R_k	120	Ω
I_a	7.2	mA
I_{g2}	2.2	mA
g_m	4.5	mA/V
r_a	260	k Ω
V_{g1} ($g_m = 25 \mu A/V$)	-14	V

LIMITING VALUES

$V_{a(b)}$ max.	300	V
V_a max.	175	V
p_a max.	1.0	W
$V_{g2(b)}$ max.	300	V
V_{g2} max.	175	V
p_{g2} max.	500	mW
I_k max.	10	mA
R_{g1-k} max.	500	k Ω
V_{h-k} max.	100	V

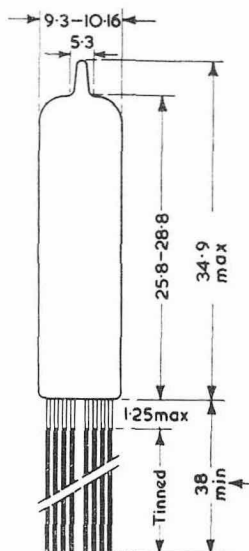


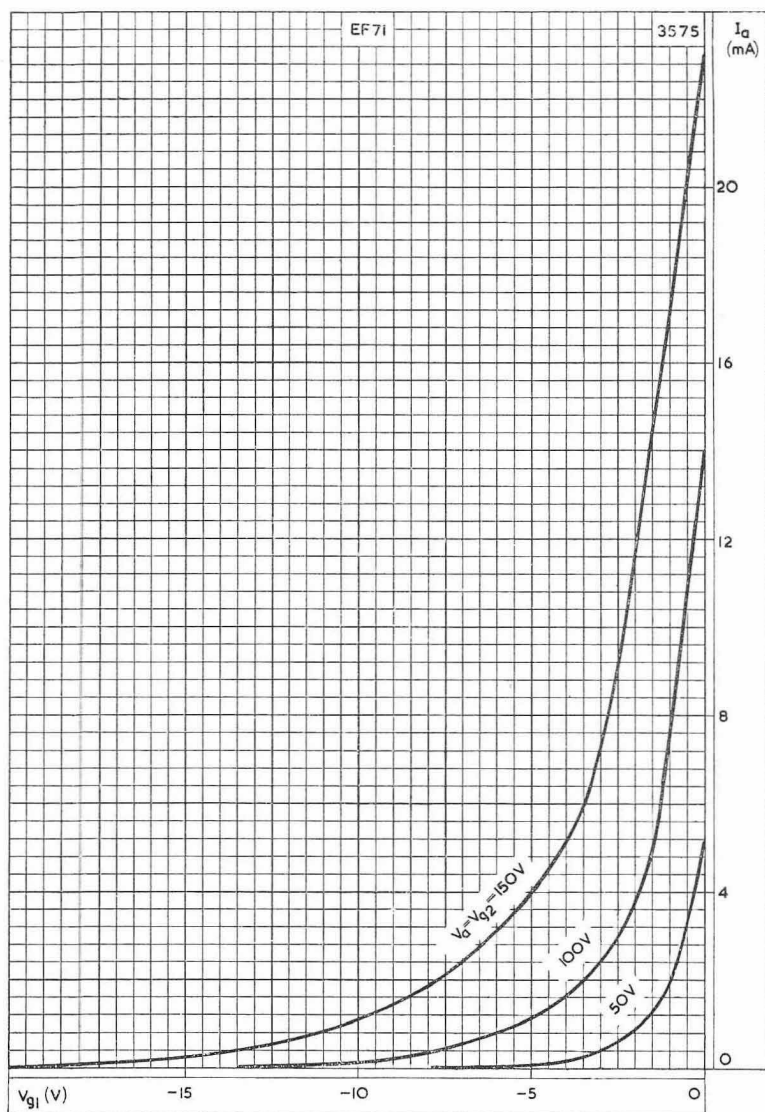
CROSS-MODULATION CURVE



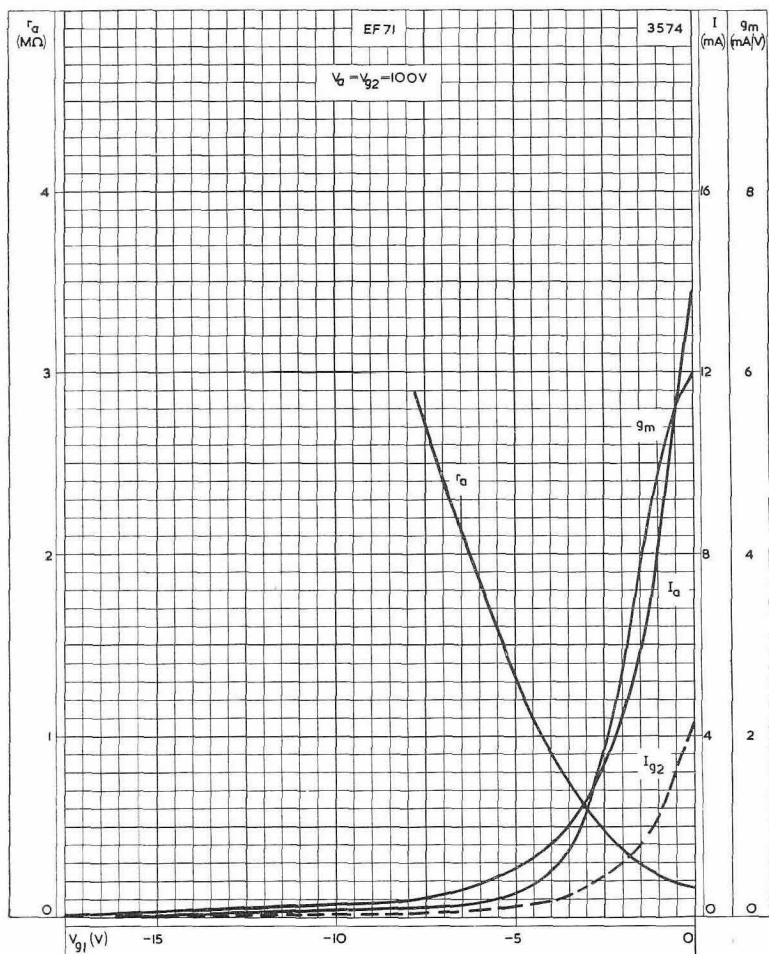
3267

All dimensions in mm





ANODE CURRENT PLOTTED AGAINST CONTROL-GRID VOLTAGE



ANODE AND SCREEN-GRID CURRENTS, MUTUAL CONDUCTANCE AND ANODE IMPEDANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE