

**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**

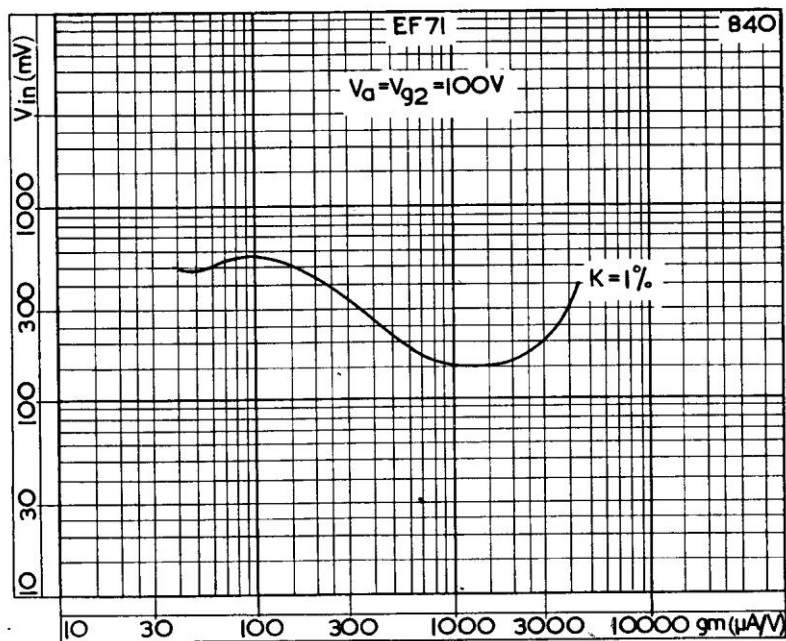
$V_a$	100	V
$V_{g2}$	100	V
$R_k$	120	$\Omega$
$I_a$	7.2	mA
$I_{g2}$	2.2	mA
$g_m$	4.5	mA/V
$r_a$	260	k $\Omega$
$V_{g1}$ ( $g_m=25\mu A/V$ )	-14	V

**LIMITING VALUES**

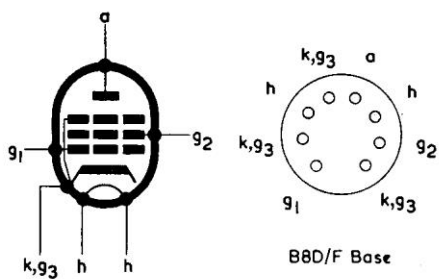
$V_{a(b)}$ max.	300	V
$V_a$ max.	175	V
$p_a$ max.	1.0	W
$V_{g2(b)}$ max.	300	V
$V_{g2}$ max.	175	V
$p_{g2}$ max.	500	mW
$I_k$ max.	10	mA
$R_{g1-k}$ max.	500	k $\Omega$
$V_{h-k}$ max.	100	V

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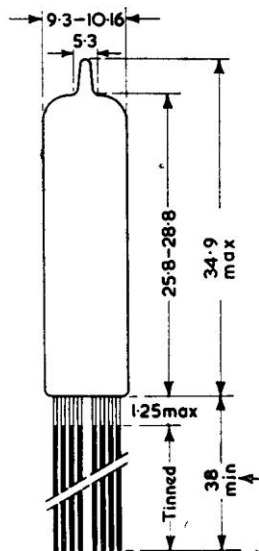


CROSS-MODULATION CURVE



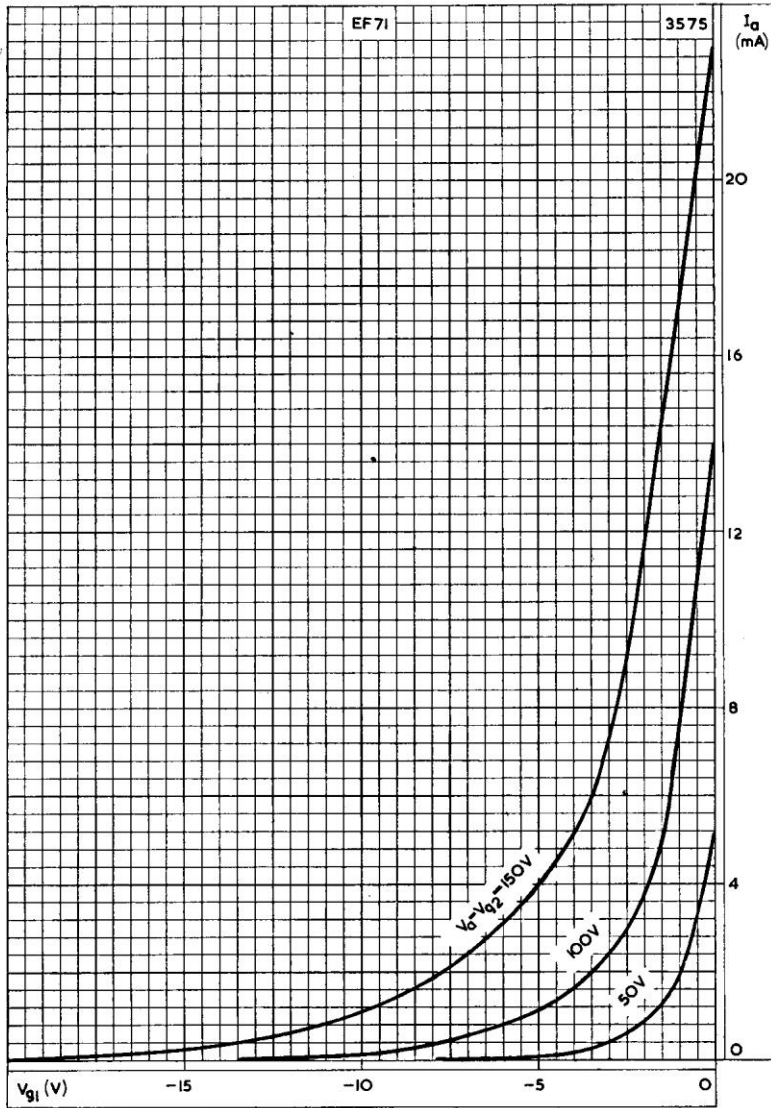
3267

All dimensions in mm



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# EF71

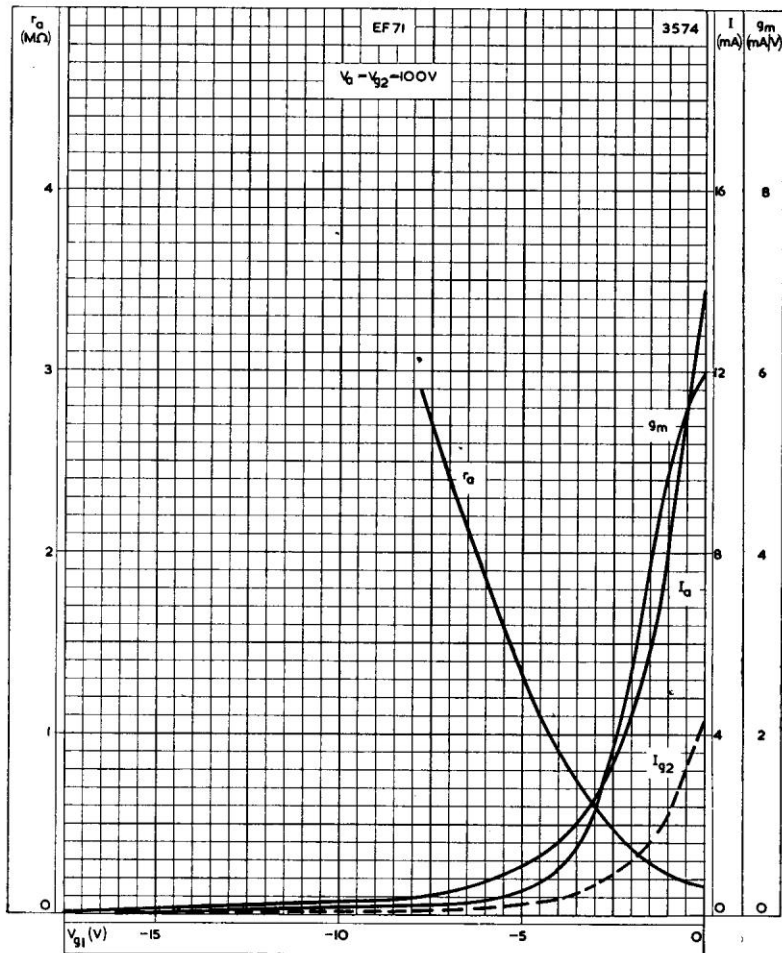


ANODE CURRENT PLOTTED AGAINST CONTROL-GRID VOLTAGE



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## SUBMINIATURE VARIABLE-MU R.F. PENTODE



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