

EF41

VARIABLE-MU R.F. PENTODE

*Variable-mu pentode for use
as r.f. or i.f. amplifier.*

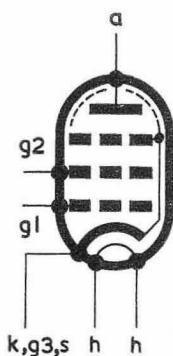
Except for capacitances, basing, dimensions and heater to cathode voltage ratings the EF41 is identical to the EF39.

CAPACITANCES

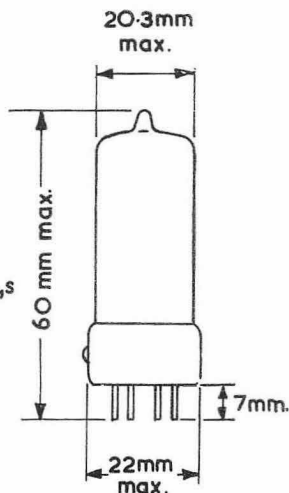
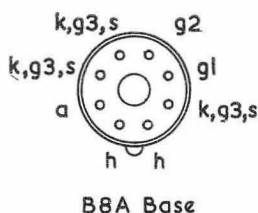
C_{a-g1}	<0.002	pF
C_{g1-h}	<0.05	pF
C_{in}	4.7	pF
C_{out}	8.0	pF

LIMITING VALUE

$V_{h-k \text{ max}}$	50	V
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Although pins 3, 4 and 7 are internally connected together, it is recommended that the external connection be made to pin 7, as the cathode lead inductance to this pin is lowest.

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HEATER

V_h	6.3	V
I_h	0.2	A

MOUNTING POSITION

Any

CAPACITANCES

C_{a-g_1}	<0.002	$\mu\mu F$
C_{g_1-h}	<0.05	$\mu\mu F$
C_{out}	8.0	$\mu\mu F$
C_{in}	4.7	$\mu\mu F$

OPERATING CONDITIONS AS R.F. OR I.F. AMPLIFIER

V_a	250	V
R_{g_2}	90	k Ω
R_k	325	Ω
V_{g_1}	-2.5	-39 V
I_a	6	mA
I_{g_2}	1.7	mA
g_m	2,200	22 $\mu A/V$
r_a	1	>10 M Ω
$\mu_{g_1-g_2}$	18	—
R_{eq}	7.4	— k Ω

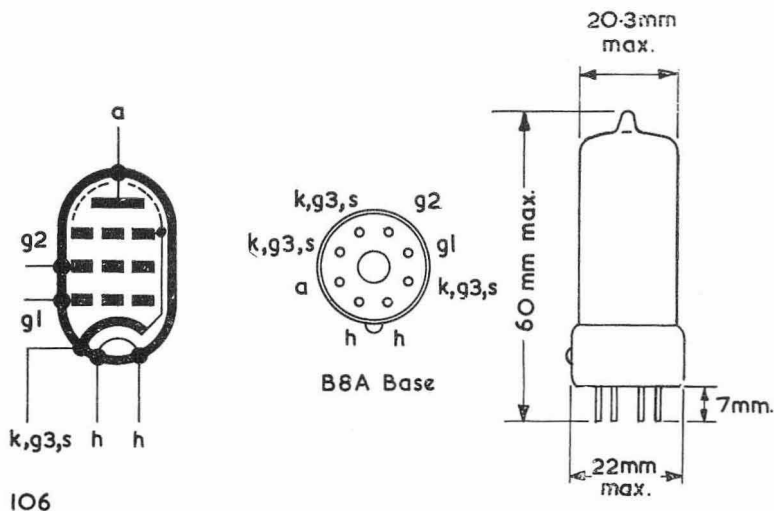
LIMITING VALUES

$V_{a(b)} \text{ max.}$	550	V
$V_a \text{ max.}$	300	V
$p_a \text{ max.}$	2	W
$I_k \text{ max.}$	10	mA
$V_{g_2(b)} \text{ max.}$	550	V
$V_{g_2} \text{ max. } (I_a < 3 \text{ mA})$	300	V
$V_{g_2} \text{ max. } (I_a = 6 \text{ mA})$	125	V
$p_{g_2} \text{ max.}$	0.3	W
$V_{g_1} \text{ max. } (I_{g_1} = \pm 0.3 \mu A)$	-1.3	V
$R_{g_1-k} \text{ max.}$	3	M Ω
$R_{h-k} \text{ max.}$	20	k Ω
$V_{h-k} \text{ max.}$	50	V

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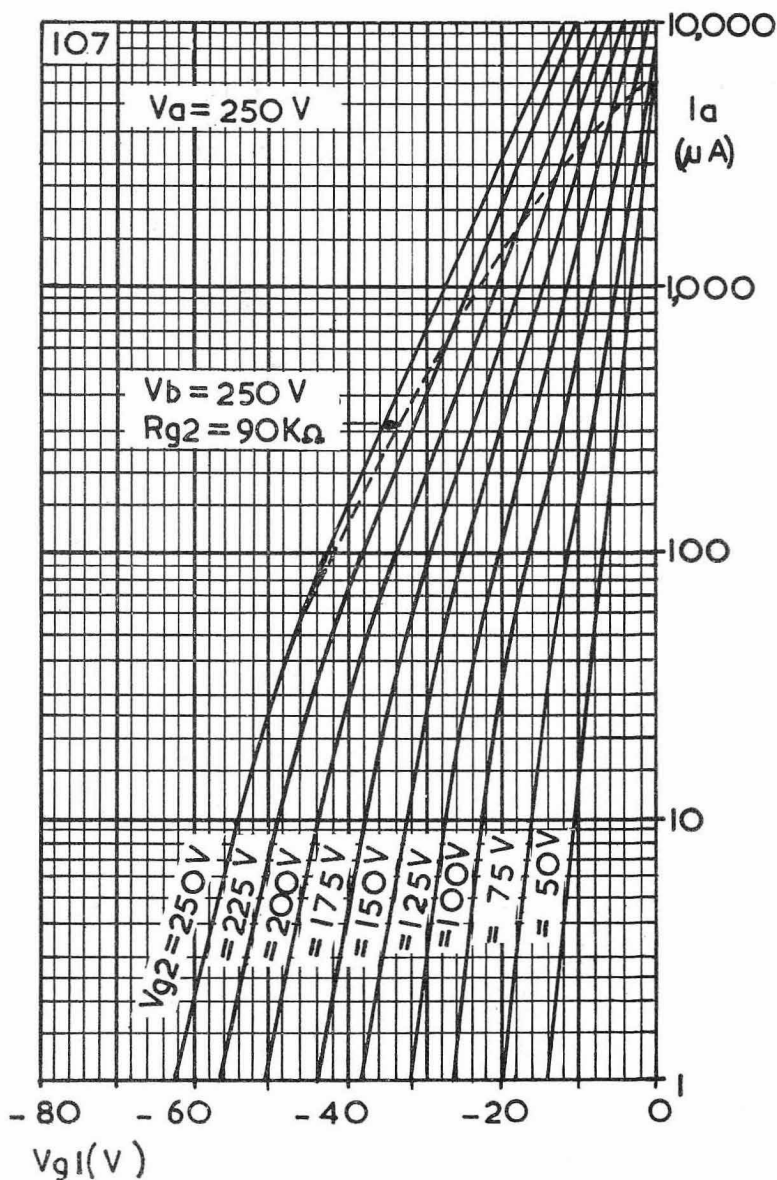


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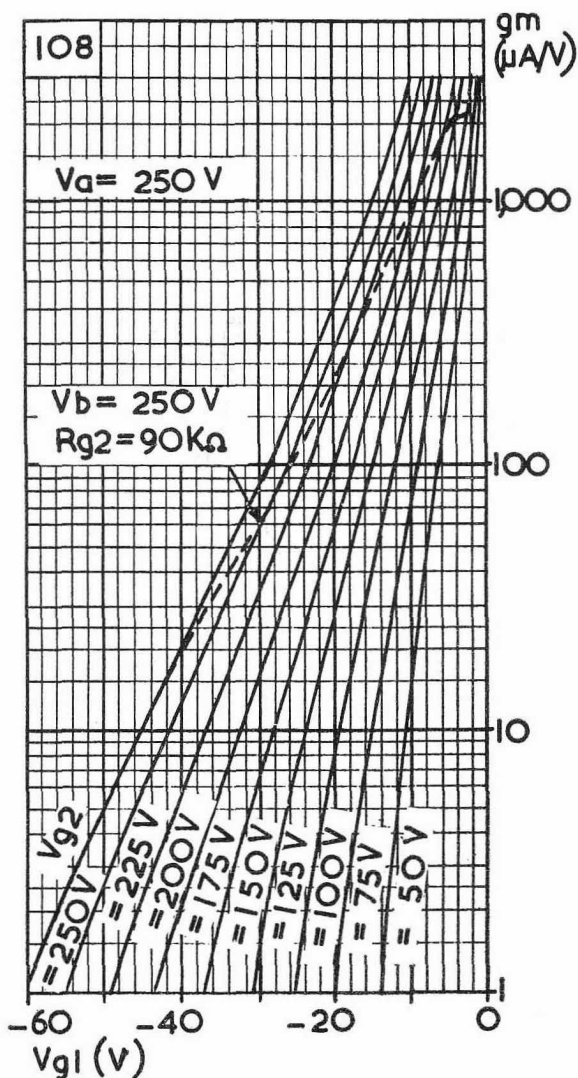
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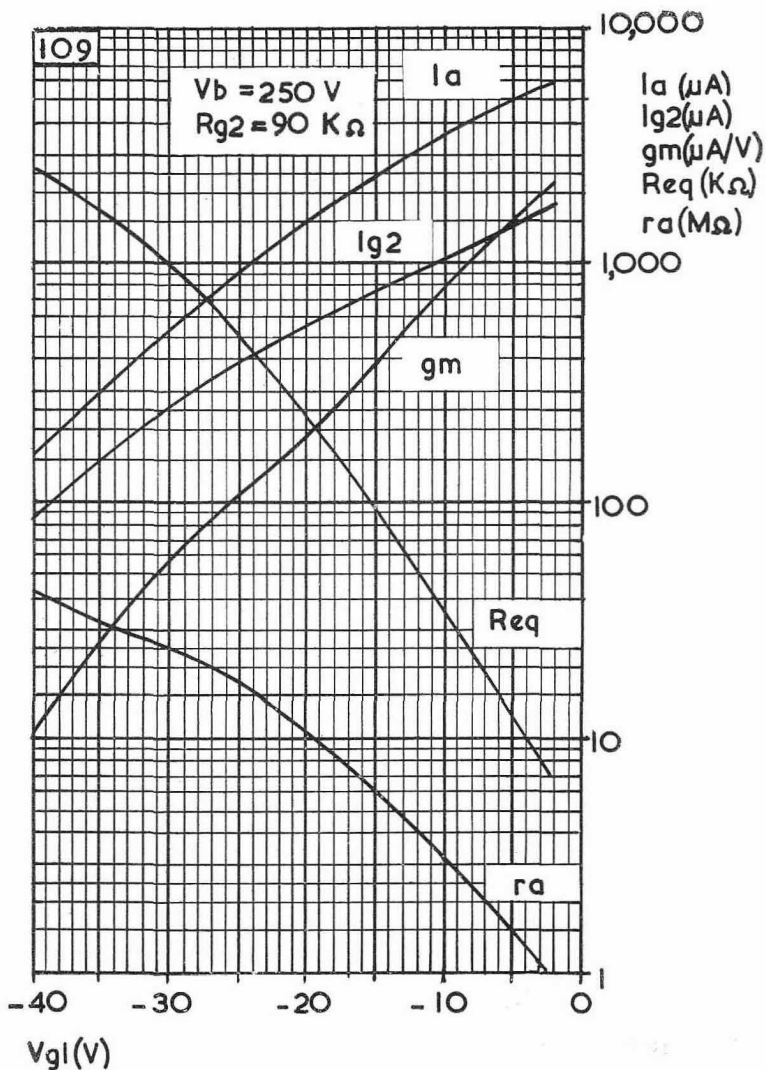
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