PHILIPS

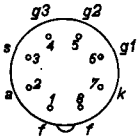
EF42

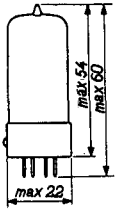
R.F. PENTODE for use as wide-band amplifier
PENTHODE H.F. pour utilisation en amplificatrice à large bande
H.F. PENTODE zur Verwendung als Breitbandverstärker

Heating: indirect by A.C. or D.C.; parallel supply
Chauffage: indirect par C.A. ou C.C.; alimentation en parallèle
Heizung: indirekt durch Wechsel- oder Gleichstrom; Parallelspeisung

V_f = 6,3 V
I_f = 0,33 A

Dimensions in mm
Dimensions en mm
Abmessungen in mm





Base, culot, Sockel: RIMLOCK

Capacitances
Capacités
Kapazitäten

C_a	=	4,3 pF
C_{g1}	=	8,5 pF
C_{ag1}	<	0,006 pF
C_{g1f}	<	0,2 pF

Typical characteristics
Caractéristiques types
Kenndaten

V_a	=	250 V
V_{g3}	=	0 V
V_{g2}	=	250 V
V_{g1}	=	-2 V
I_a	=	10 mA
I_{g2}	=	2,4 mA
S	=	9 mA/V
μ_{g2g1}	=	83
R_i	=	0,5 MΩ
R_{eq}	=	840 Ω

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

V_a	= 250	V
V_{g3}	= 0	V
V_{g2}	= 250	V
I_a	= 10	mA
f	= 100	Mc/s
Bandwidth Largeur de bande Bandbreite	= 0,8	Mc/s
G	= 1100	

Limiting values
Caractéristiques limites
Grenzdaten

V_{a_o}	= max.	550	V
V_a	= max.	300	V
W_a	= max.	3,5	W
V_{g2_o}	= max.	550	V
V_{g2}	= max.	300	V
W_{g2}	= max.	0,7	W
I_k	= max.	25	mA
$-V_{g1}$	= max.	100	V
V_{g1} (I_{g1}=+0,3μA)	= max.	-1,3	V
R_{g1}	= max.	1	MΩ[1])
V_{kf}	= max.	100	V
R_{kf}	= max.	20	kΩ

[1]) With automatic grid bias
A polarisation négative automatique
Mit automatischer negativer Gittervorspannung

PHILIPS

Electronic Tube HANDBOOK

EF42

page	sheet	date
1	1	1952.12.12
2	2	1952.12.12
3	FP	1999.06.28