

TRIODE for use as H.F. or L.F. amplifier or oscillator
 TRIODE pour utilisation en amplificatrice H.F. ou B.F. ou oscillatrice
 TRIODE zur Verwendung als HF- oder NF-Verstärker oder Oszillator

Filament : thoriated tungsten
 Filament : tungstène thorié
 Heizfaden: thoriertes Wolfram

Heating : direct
 Chauffage: direct
 Heizung : direkt

$V_f = 5 \text{ V}$
 $I_f = 6,3 \text{ A}$

Capacitances
 Capacités
 Kapazitäten

$C_a = 0,3 \text{ pF}$
 $C_g = 2,9 \text{ pF}$
 $C_{ag} = 2,0 \text{ pF}$

Typical characteristics
 Caractéristiques types
 Kenndaten

$\mu = 38$
 $S \left\{ \begin{array}{l} V_a = 3000 \text{ V} \\ I_a = 200 \text{ mA} \end{array} \right\} = 4,5 \text{ mA/V}$

λ	Freq.	C teleg.		C an.mod.	
		V_a (V)	W_o (W)	V_a (V)	W_o (W)
7,5	40	3000	400	2500	285
		2000	235	2000	235
		1500	185	1500	175

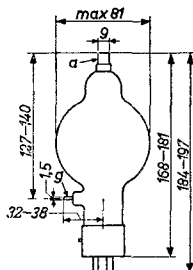
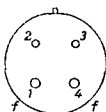
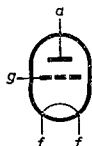
B mod ¹⁾	
V_a (V)	W_o (W)
2500	425
2000	360
1500	280

¹⁾Two tubes
 Deux tubes
 Zwei Röhren

TB 3/350

PHILIPS

Dimensions in mm
Dimensions en mm
Abmessungen in mm



Base : Medium 4-p with bayonet
Culot : Medium 4-p à baïonnette
Sockel : Medium 4-p mit Bajonett

Socket
Support
Fassung

40218-03

Mounting position: vertical with base up or down
Montage : vertical avec le culot en haut ou en bas
Einbau : senkrecht mit Sockel oben oder unten

Net weight
Poids net
Nettogewicht

115 g

H.F. class C telegraphy
H.F. classe C télégraphie
HF- Klasse C Telegraphie

Limiting values
Caractéristiques limites
Grenzdaten

f	max.	40 Mc/s
V_a	= max.	3000 V
I_a	= max.	225 mA
W_a	= max.	100 W
W_g	= max.	20 W

Operating conditions
Caractéristiques d'utilisation
Betriebsdaten

f	= 40	40	40 Mc/s
V_a	= 3000	2000	1500 V
V_g	= -200	-80	-65 V
I_a	= 167	167	190 mA
I_g	= 51	39	48 mA
V_{gp}	= 385	230	230 V
W_{ig}	= 18	8	10 W
W_{ia}	= 500	335	285 W
W_a	= 100	100	100 W
W_o	= 400	235	185 W
η	= 80	70	65 %

H.F. class C anode modulation
H.F. classe C modulation d'anode
HF- Klasse C Anodenmodulation

Limiting values
Caractéristiques limites
Grenzdaten

f	--- = max. ---	40 Mc/s
V_a	= max.	2500 V
I_a	= max.	180 mA
W_a	= max.	65 W
W_g	= max.	20 W

Operating conditions
Caractéristiques d'utilisation
Betriebsdaten

f	=	40	40	40 Mc/s
V_a	=	2500	2000	1500 V
V_g	=	-250	-200	-150 V
I_a	=	140	150	160 mA
I_g	=	40	41	46 mA
V_{gp}	=	425	375	325 V
W_{ig}	=	15,5	14	14 W
W_{ia}	=	350	300	240 W
W_a	=	65	65	65 W
W_o	=	285	235	175 W
η	=	81,5	78	73 %
m	=	100	100	100 %
W_{mod}	=	175	150	120 W

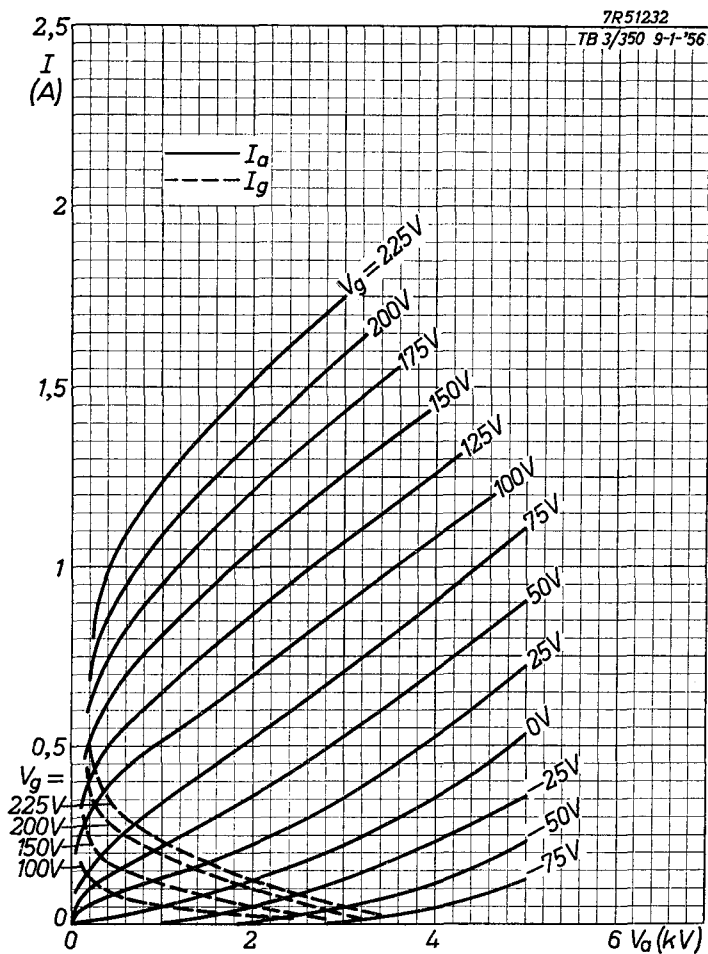
L.F. class B amplifier and modulator
 Amplificatrice et modulatrice B.F. classe B
 NF- Klasse B Verstärker und Modulator

Limiting values
 Caractéristiques limites
 Grenzdaten

V_a	= max.	3000 V
I_a	= max.	225 mA
W_a	= max.	100 W
W_g	= max.	20 W

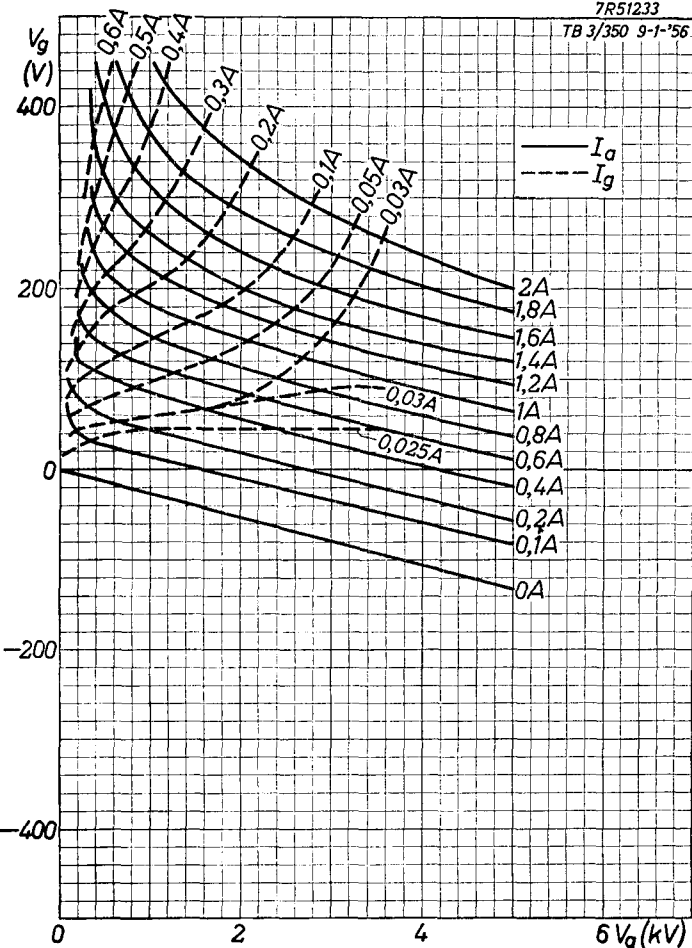
Operating conditions, two tubes
 Caractéristiques d'utilisation, deux tubes
 Betriebsdaten, zwei Röhren

V_a	=	2500		2000		1500	V
V_g	=	-50		-35		-20	V
$R_{aa\sim}$	=	22		15		8,8	k Ω
V_{gk_p}	=	0	310	0	300	0	290 V
I_a	=	2x24	2x125	2x30	2x140	2x40	2x160 mA
I_g	=	0	2x25	0	2x33	0	2x38 mA
I_{g_p}	=	0	2x90	0	2x110	0	2x160 mA
W_{ig}	=	0	2x3,5	0	2x4,5	0	2x5 W
W_{ia}	=	2x60	2x312	2x60	2x280	2x60	2x240 W
W_a	=	2x60	2x100	2x60	2x100	2x60	2x100 W
W_o	=	0	425	0	360	0	280 W
η	=	-	68	-	64	-	58,5 %



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**TB3/350**

page	sheet	date
1	1	1956.01.01
2	2	1956.01.01
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7	B	1956.01.01
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