

R.F.DOUBLE TRIODE for use as oscillator, mixer or amplifier in television receivers

DOUBLE TRIODE H.F. pour utilisation en oscillatrice, mélangeuse ou amplificatrice dans des récepteurs de télévision

HF-DOPPELTRIODE zur Verwendung als Oszillator, Mischröhre oder Verstärker in Fernsehempfängern

Heating : indirect by A.C. or D.C.; series or parallel supply

Cnauffage: indirect par C.A. ou C.C.; alimentation parallèle ou série

Heizung : indirekt durch Wechsel- oder Gleichstrom; Serien- oder Parallelspeisung

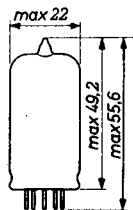
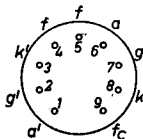
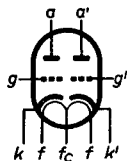
$V_f = 6,3 \text{ V}$
 $I_f = 300 \text{ mA}^1)$

$V_f = 12,6 \text{ V}$
 $I_f = 150 \text{ mA}^1)$

Pins
 Broches 9-(4+5)
 Stifte

Pins
 Broches 4-5
 Stifte

Dimensions in mm
 Dimensions en mm
 Abmessungen in mm



Base, culot, Sockel: Noval

¹⁾ In case of series supply a current-limiting device must be inserted in the heater circuit for limiting the current when switching on.

En cas d'alimentation en série il faut utiliser un limiteur de courant pour limiter le courant près de la mise en circuit.

Bei Serienspeisung muss ein Strombegrenzer verwendet werden, damit der Heizstrom beim Einschalten begrenzt wird.

Capacitances
Capacités
Kapazitäten

C_g	= 2,3 pF	$C_{g'}$	= 2,3 pF
C_a	= 0,45 pF	$C_{a'}$	= 0,35 pF
C_{ag}	= 1,6 pF	$C_{a'g'}$	= 1,6 pF
C_{ak}	= 0,20 pF	$C_{a'k'}$	= 0,20 pF
C_{kf}	= 2,5 pF	$C_{k'f}$	= 2,5 pF
$C_{k/g+f}$	= 4,7 pF	$C_{k'/g'+f}$	= 4,7 pF
$C_{a/g+f}$	= 1,9 pF	$C_{a'/g'+f}$	= 1,8 pF
C_{gf}	< 0,17 pF	$C_{g'f}$	< 0,17 pF
	$C_{aa'}$	< 0,4 pF	
	$C_{gg'}$	< 0,005 pF	
	$C_{ag'}$	< 0,07 pF	
	$C_{a'g}$	< 0,04 pF	

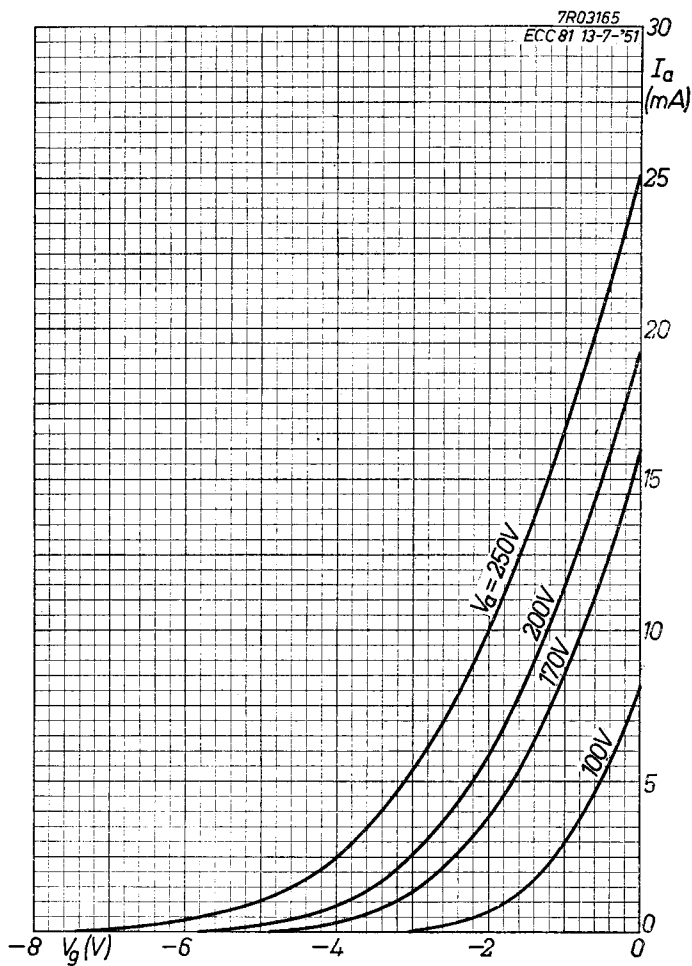
Typical characteristics
Caractéristiques types
Kenndaten

V_B	= 100	170	200	250 V
V_g	= -1,0	-1,0	-1,0	-2,0 V
I_a	= 3,0	8,5	11,5	10 mA
S	= 3,75	5,9	6,7	5,5 mA/V
μ	= 62	66	70	60
R_i	= 16,5	11	10,5	11 k Ω

Limiting values (each section)
Caractéristiques limites (par système)
Grenzdaten (pro System)

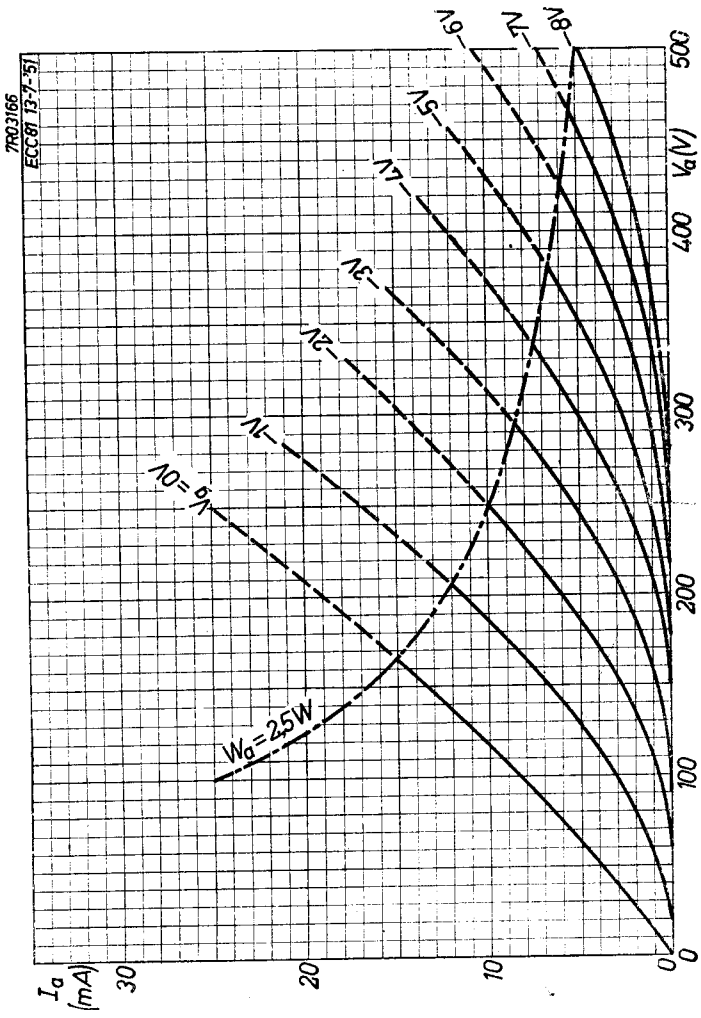
V_{a0}	= max.	550 V
V_a	= max.	300 V
W_a	= max.	2,5 W
I_k	= max.	15 mA
$-V_g$	= max.	50 V
R_g	= max.	1 M Ω ¹⁾
V_g ($I_g = +0,3 \mu A$)	= max.	-1,3 V
V_{kf}	= max.	90 V
R_{kf}	= max.	20 k Ω

¹⁾ With automatic grid bias
Avec polarisation de grille automatique
Mit automatischer Gittervorspannung

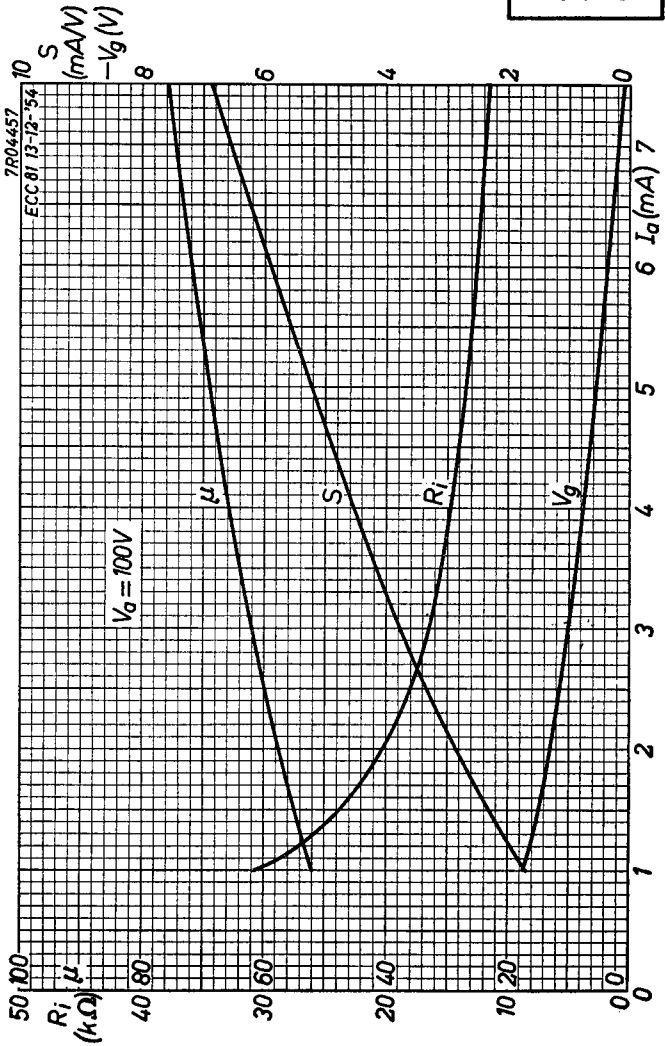


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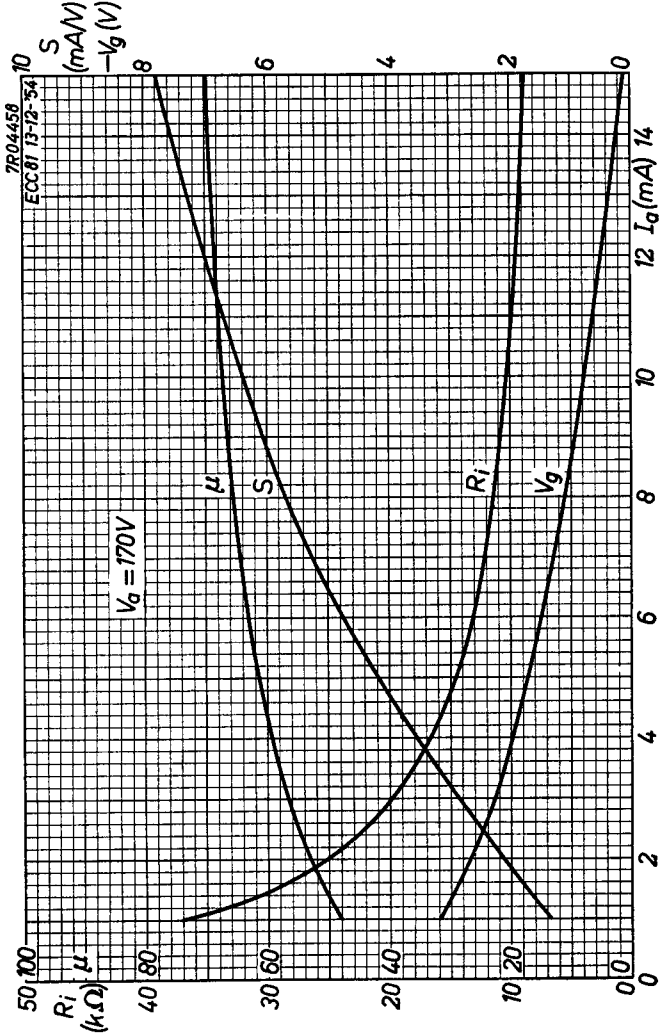


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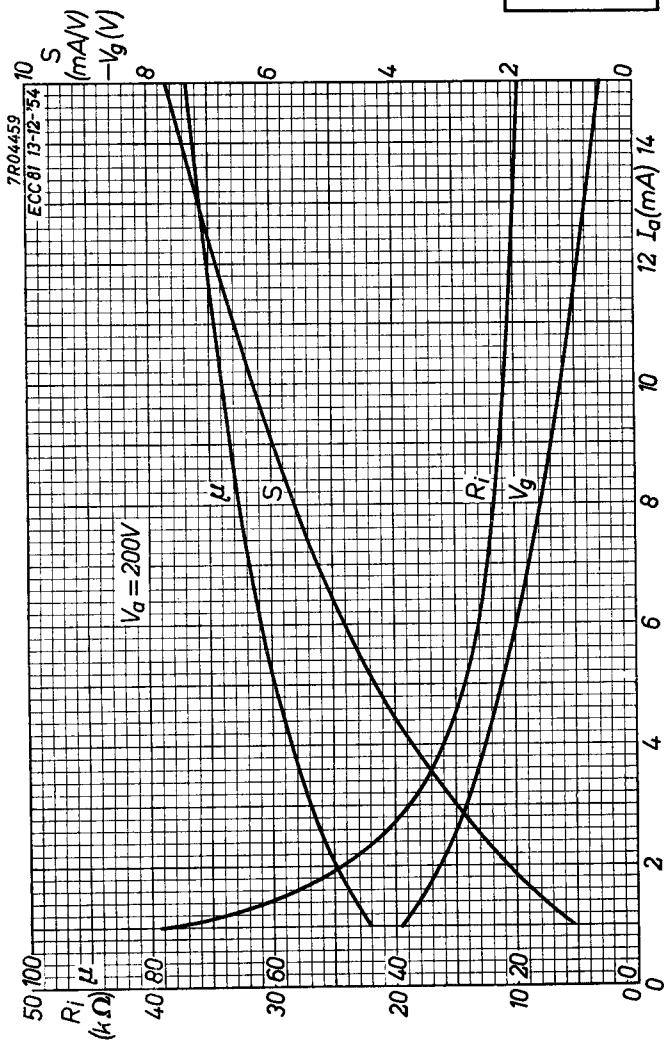
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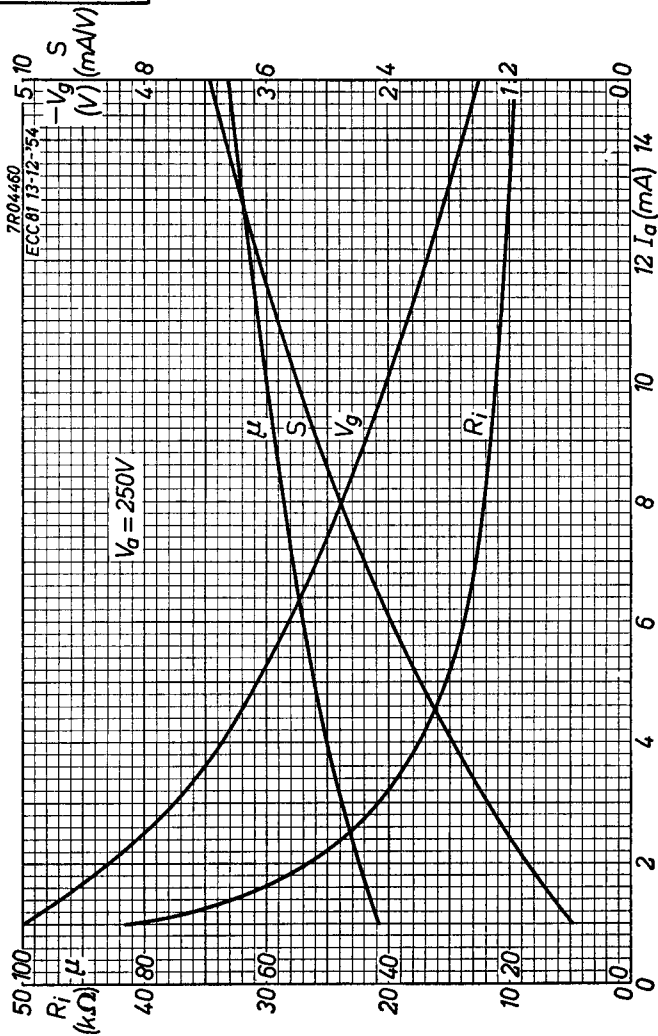
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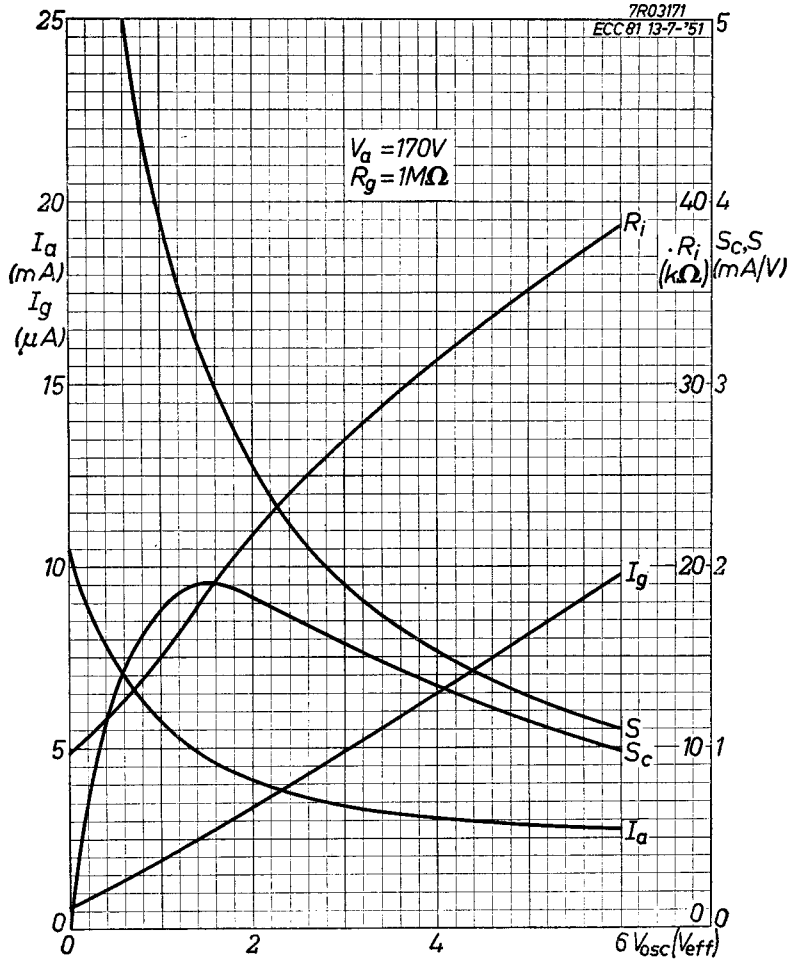
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7R03171
ECC 81 13-7-'51

$V_a = 170V$
 $R_g = 1M\Omega$



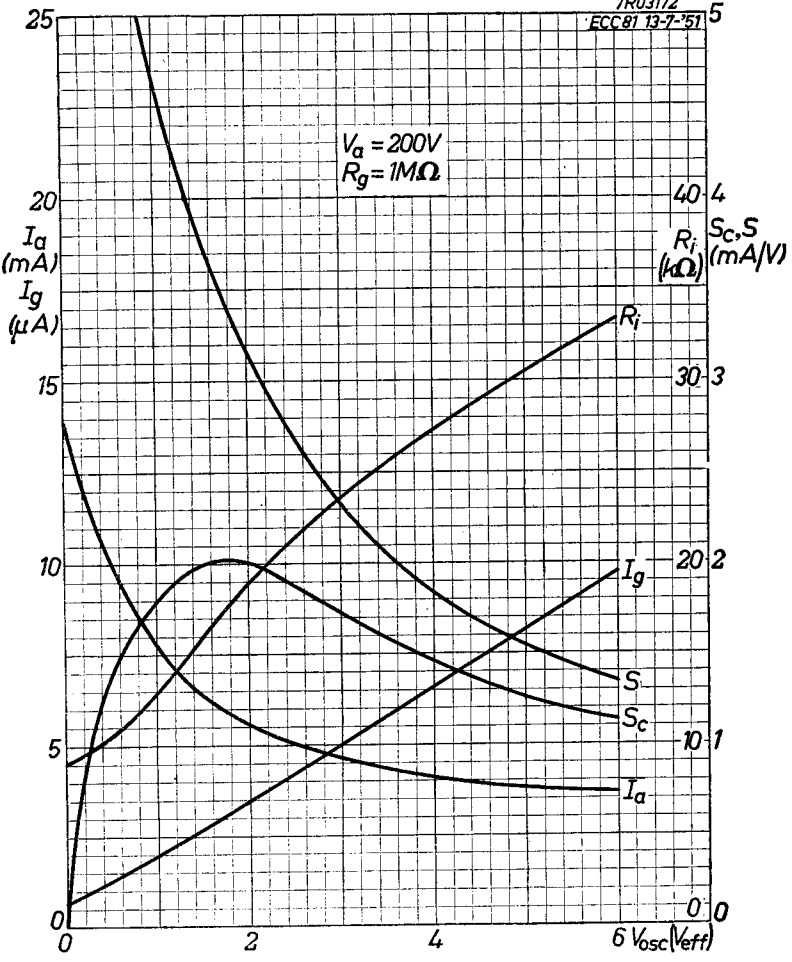
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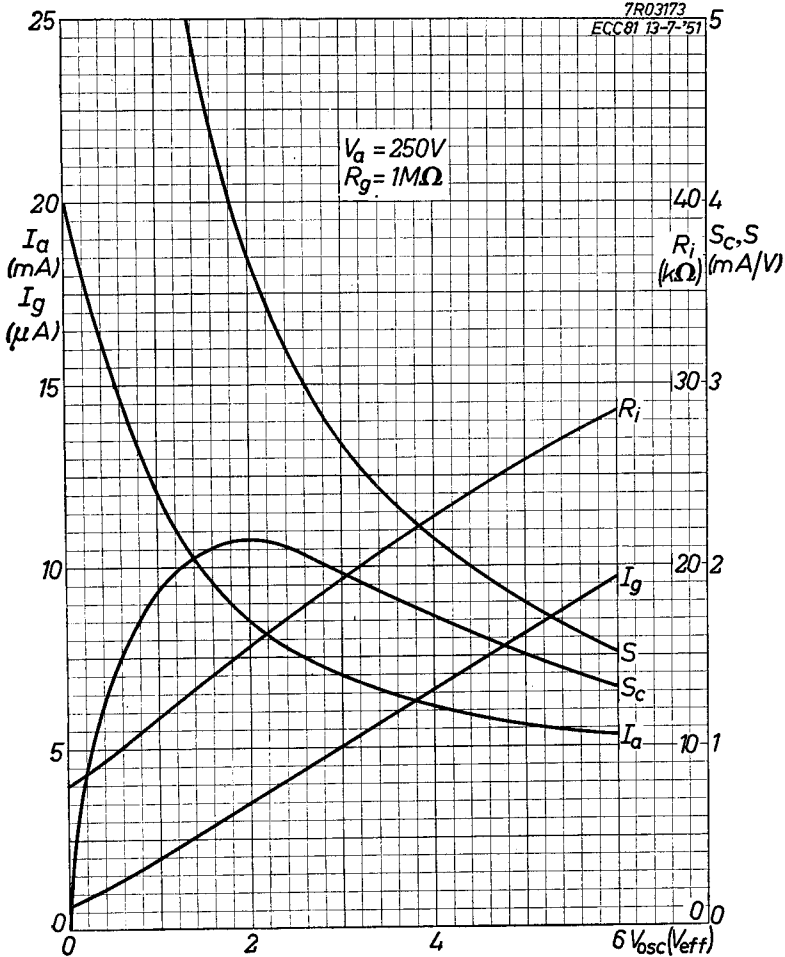
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$V_a = 200V$
 $R_g = 1M\Omega$



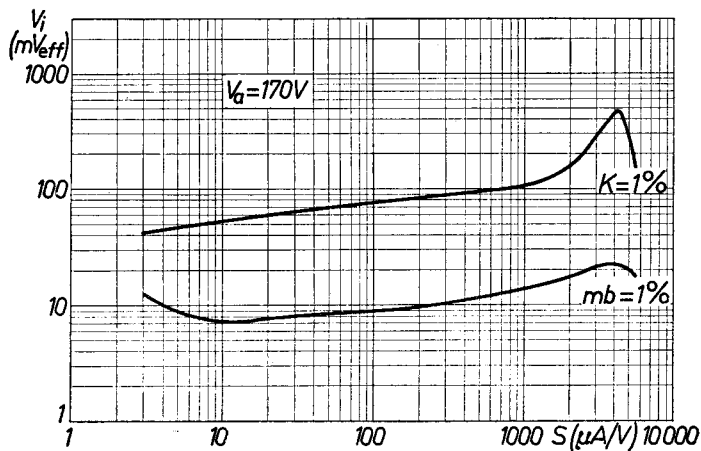
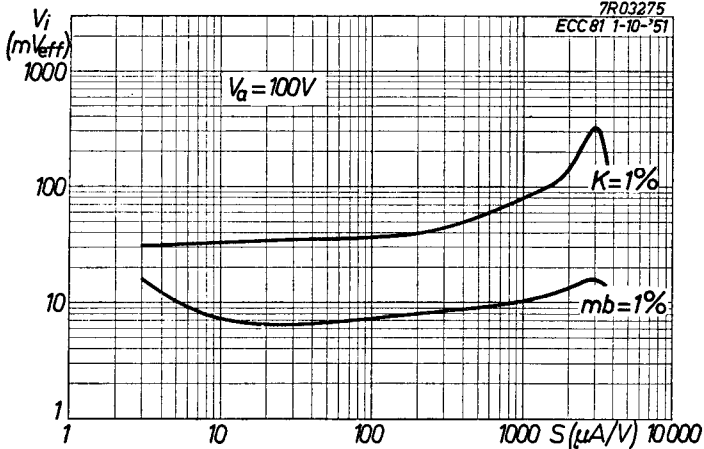
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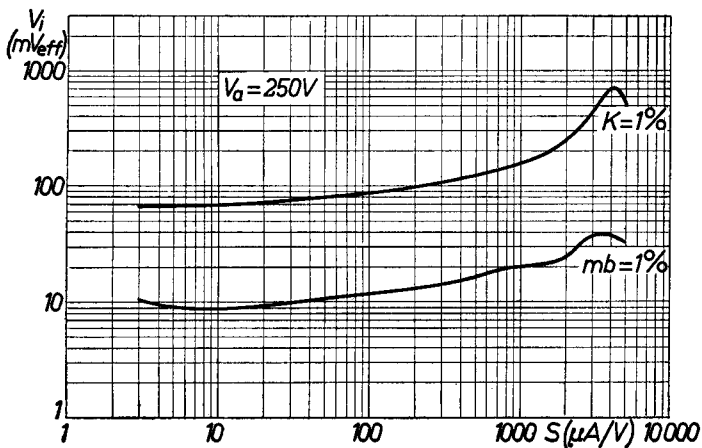
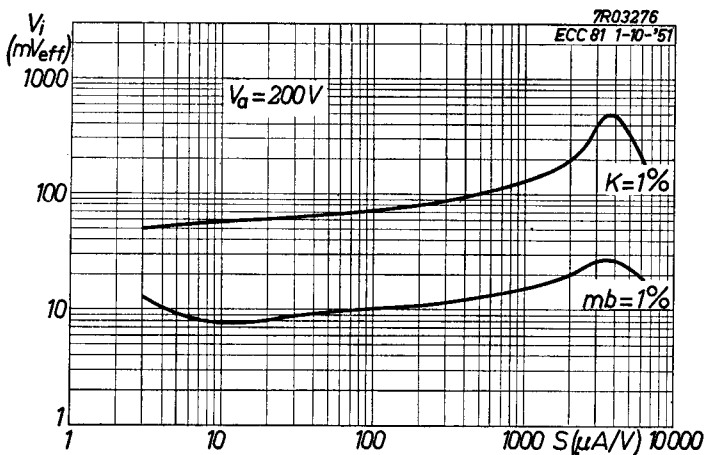


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HANDBOOK

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7	E	1955.01.01
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13	K	1951.10.10
14	FP	1999.02.16