

Podwójna dioda

EYY 13

RFT

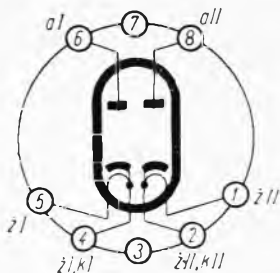
Przestawnik pełnokresowy

Stalowy

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$$U_Z = 6,3V$$

$$I_Z = 2 \times 1,4 A$$



Wartości robocze

Obydwa systemy jako przestawnik pełnokresowy

U_{Tr}	2×550	2×500	2×450	2×400	2×350	2×300	2×250	2×200	V
R_{Tr}	100	100	100	85	70	60	60	60	Ω
$I_{=}$	250	280	310	350	350	350	350	350	mA
$U_{=}$	590	520	450	380	325	260	205	150	V

Przestawnik półokresowy, jeden system

C_{weJ}	= 16 μ F	
U_{Tr}	= 550 V,	$I_{=max} = 125$ mA
U_{Tr}	= 400 V,	$I_{=max} = 175$ mA

Przestawnik półokresowy, oba systemy równolegle

C_{weJ}	= 16 μ F								
U_{Tr}	500	450	400	350	300	250	200	V	
R_{Tr}	100	100	85	70	60	60	60	Ω	
$I_{=}$	280	310	350	350	350	350	350	mA	
$U_{=}$	400	330	260	220	170	110	6	V	

Oba systemy kaskadowo

U_{Tr}	$500 + 500$	$400 + 400$	$300 + 300$	V
R_{Tr}	$100 + 100$	$85 + 85$	$60 + 60$	Ω
$I_{=}$	140	175	175	mA
$U_{=}$	960	700	490	V

Wartości graniczne

Przy $U_{Tr} = 400...500$ V
 $2 \times U_{Tr} \times I_{=} \leq 280$ W dla dwóch system.
 $U_{Tr} \leq 350$ V
 $R_{Trmin} = 80 \Omega$
 $U_{Tr} > 350$ V
 $R_{Trmin} = 100 \Omega$
 $U_{Trmax} = 550$ V
 $C_{weJmax} = 32 \mu$ F

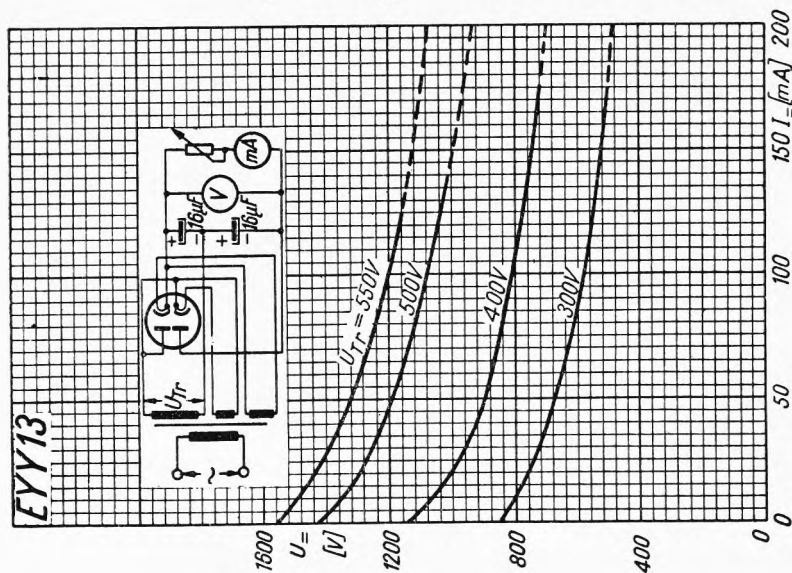
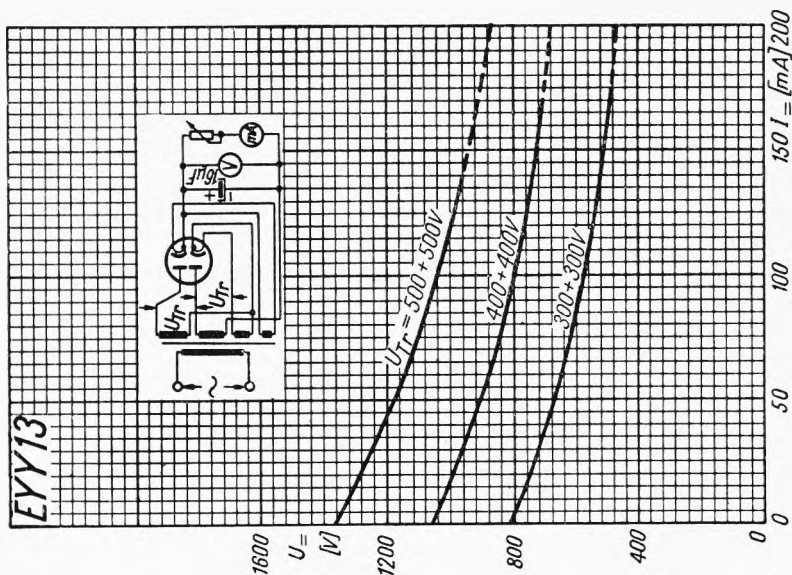
TYPY PODOBNE

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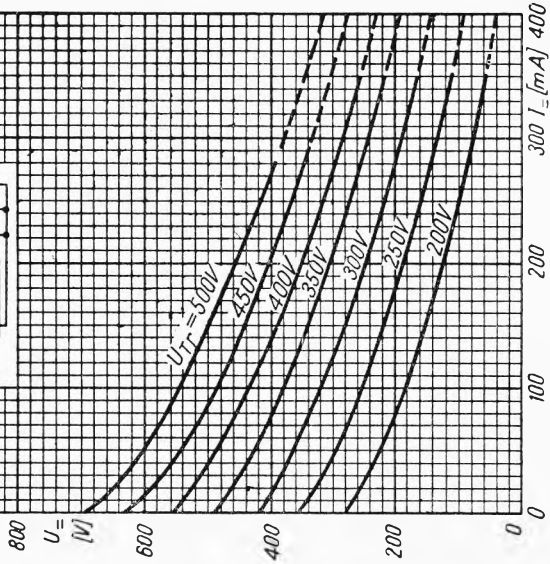
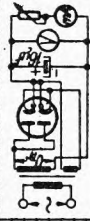
Wartości robocze c.d.

Oba systemy jako podwajacz napięcia

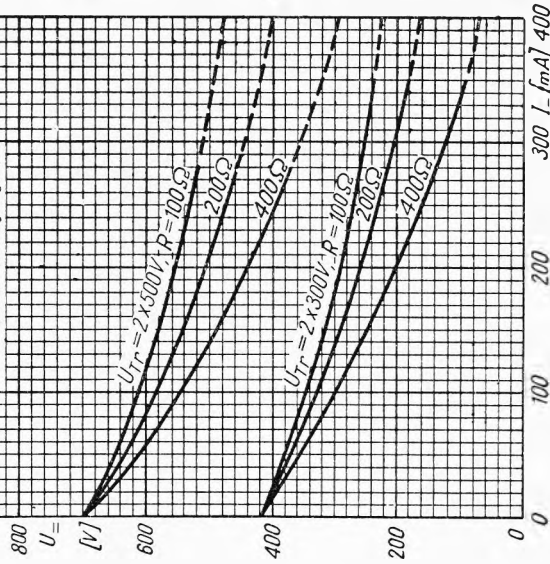
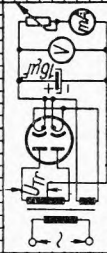
U_{Tr}	550	500	400	300	V
R_{Tr}	100	100	85	60	Ω
$I_{=}$	125	140	175	175	mA
$U_{=}$	1150	1000	720	500	V



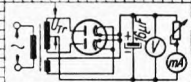
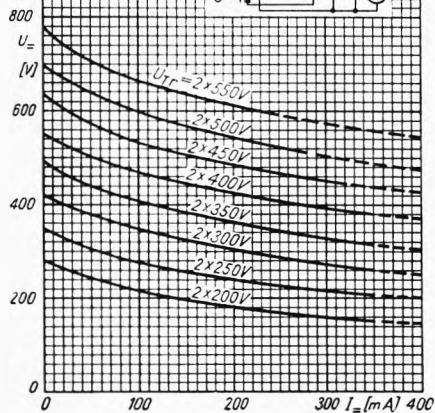
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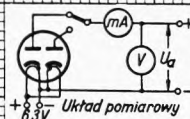
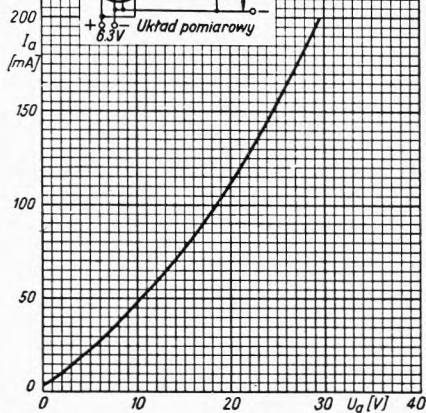
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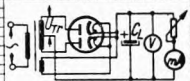
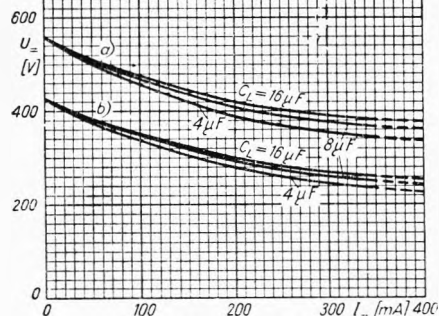


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- a) $U_{Tr} = 2 \times 400V$ $R = 85\Omega$
 b) $U_{Tr} = 2 \times 300V$ $R = 60\Omega$



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$U_{Tr} = 2 \times 400V$

