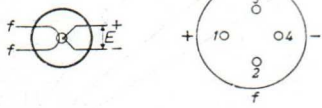
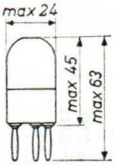
PHILIPS

TH 1
TH 2 TH 4
TH 3 TH 5

THERMOCOUPLES
THERMOKREUZE

Dimensions in mm
Dimensions en mm
Abmessungen in mm

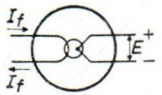


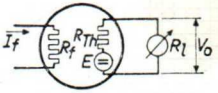


Base, culot, Sockel: P

Typical characteristics and limiting values
Caractéristiques types et caractéristiques limites
Kenn- und Grenzdaten

	TH 1	TH 2	TH 3	TH 4	TH 5	
I_f	0-15	0-30	0-75	0-150	0-300	mA
I_f [1])	0- 5	0-10	0-20	0- 50	0-100	mA
I_f(E=12mV)	10	20	40	100	200	mA
I_f(max.) [2])	20	40	100	200	350	mA
R_f	75	23	7,3	2,2	1,1	Ω
R_{Th}	5,5	3	3	3	3	Ω



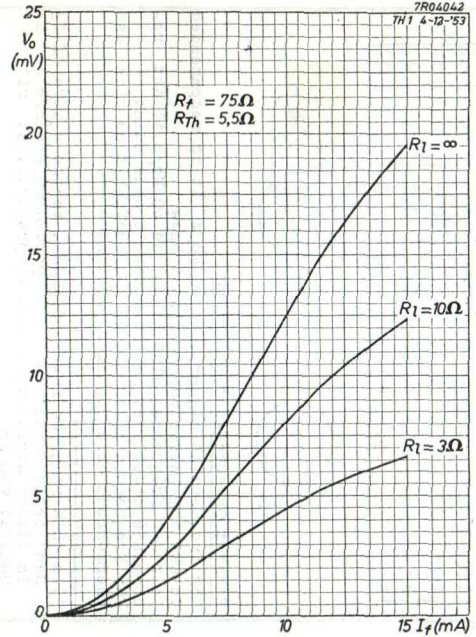


Remark; Observation; Bemerkung
For frequencies higher than 60 Mc/s it is recommended to use the thermocouple without base
Pour des fréquences plus haute que 60 Mc/s il est recommandé d'utiliser le thermocouple sans culot
Für Frequenzen höher als 60 MHz empfiehlt es sich das Thermokreuz ohne Sockel zu verwenden

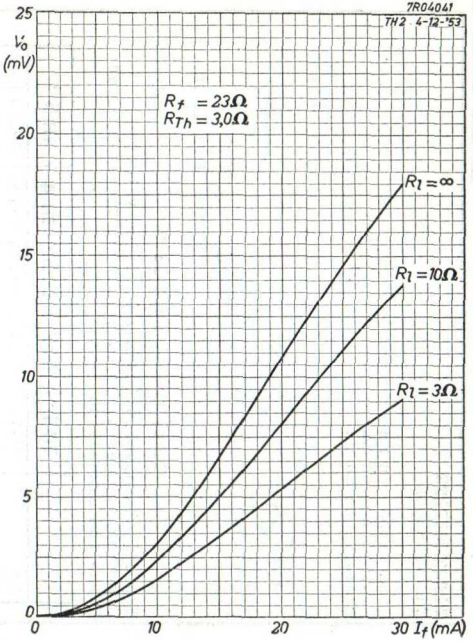
[1]) In this range V_o is proportional to the square of I_f
Dans cette portée V_o est proportionnel au carré de I_f
In diesem Strombereich ist V_o proportional mit dem Quadrat von I_f

[2]) During max.1 min.; Pendant 1 min. au max.; Während max. 1 Min.

TH 1



TH 2

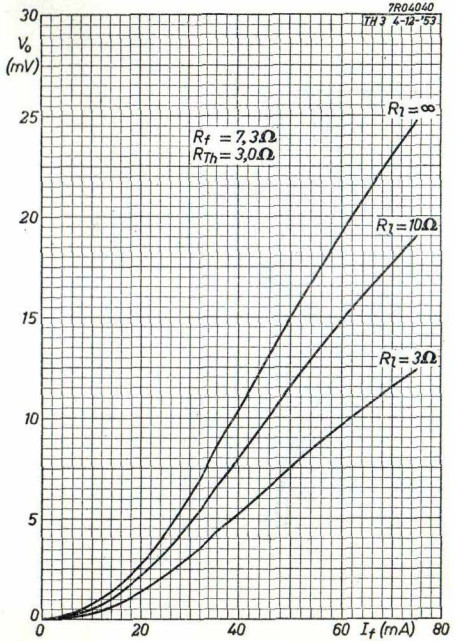


TH 1
TH 2

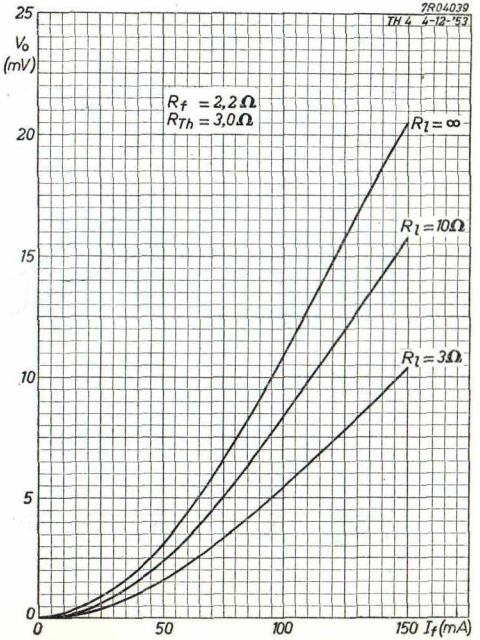
PHILIPS

A

TH 3



TH 4



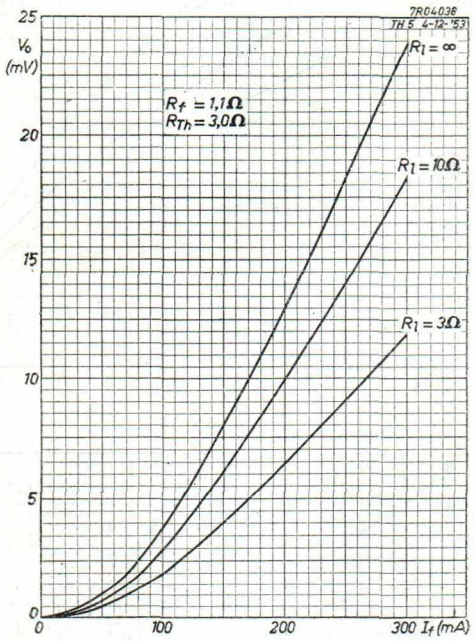
12.12.1953

B

PHILIPS

TH 3
TH 4

PHILIPS


7R04038
TH 5 4-12-'53
25
V_o
(mV)
20
15
10
5
0
0
100
200
300 I_f (mA)
$R_f = 1{,}1\Omega$
$R_{Th} = 3{,}0\Omega$
$R_l = \infty$
$R_l = 10\Omega$
$R_l = 3\Omega$