

V.H.F. TRIODE for use as self-oscillating frequency changer in F.M. battery receivers

TRIODE V.H.F. pour utilisation comme tube mélangeur auto-oscillateur dans des appareils-batteries F.M.

VHF-TRIODE zur Verwendung als selbstschwingende Mischröhre in FM-Batteriegeräten

Heating : direct by D.C.  
series or parallel supply

Chauffage : direct par C.C.  
alimentation série ou parallèle

Heizung : direkt durch Gleichstrom  
Serien- oder Parallelspeisung

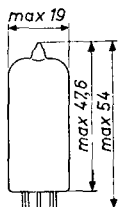
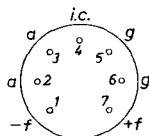
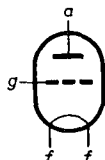
$V_f = 1,4 \text{ V}$

$I_f = 50 \text{ mA}$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: Miniature

Capacitances

Capacités

Kapazitäten

$C_g = 0,8 \text{ pF}$

$C_a = 1,3 \text{ pF}$

$C_{ag} = 3,3 \text{ pF}$

Typical characteristics

Caractéristiques types

Kenndaten

|       |   |      |      |          |
|-------|---|------|------|----------|
| $V_a$ | = | 40   | 67,5 | 90 V     |
| $V_g$ | = | 0    | 0    | -3 V     |
| $I_a$ | = | 1,5  | 4,2  | 3 mA     |
| $S$   | = | 0,9  | 1,2  | 1,1 mA/V |
| $\mu$ | = | 11,1 | 11,6 | 11,5     |

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Operating characteristics as self-oscillating frequency changer

Caractéristiques d'utilisation comme tube mélangeur auto-oscillateur

Betriebsdaten als selbstschwingende Mischröhre

|                    |   |               |
|--------------------|---|---------------|
| $V_a$              | = | 90 V          |
| $V_{osc}$          | = | 5,5 $V_{eff}$ |
| $R_g$              | = | 1 M $\Omega$  |
| $I_g$              | = | 6 $\mu A$     |
| $r_g$ (f=100 Mc/s) | = | 12 k $\Omega$ |

Noise figure

Indice de souffle = 18

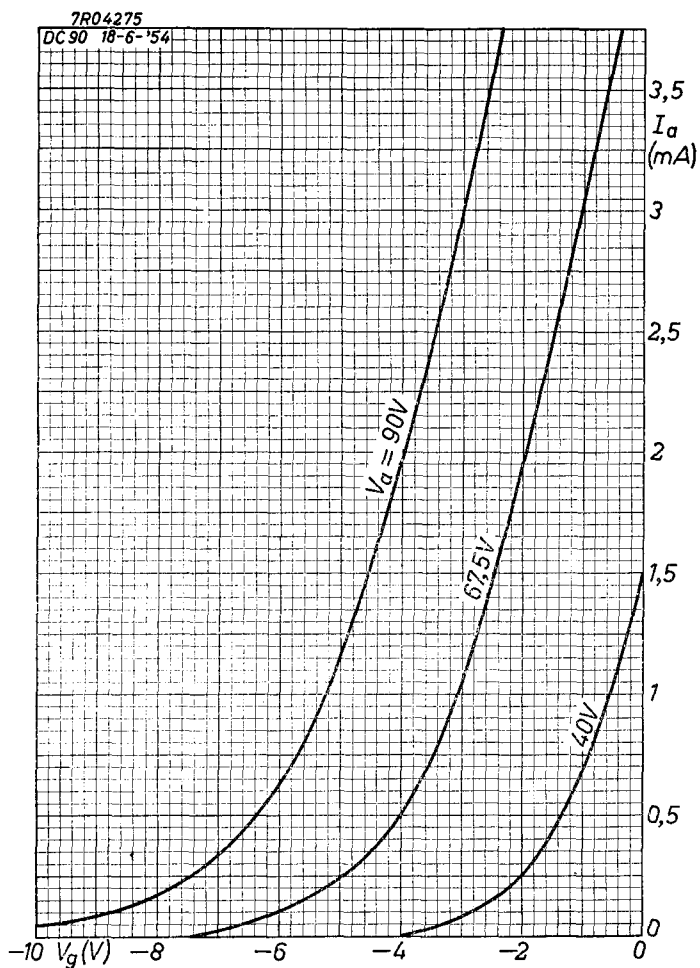
Rauschzahl

Limiting values

Caractéristiques limites

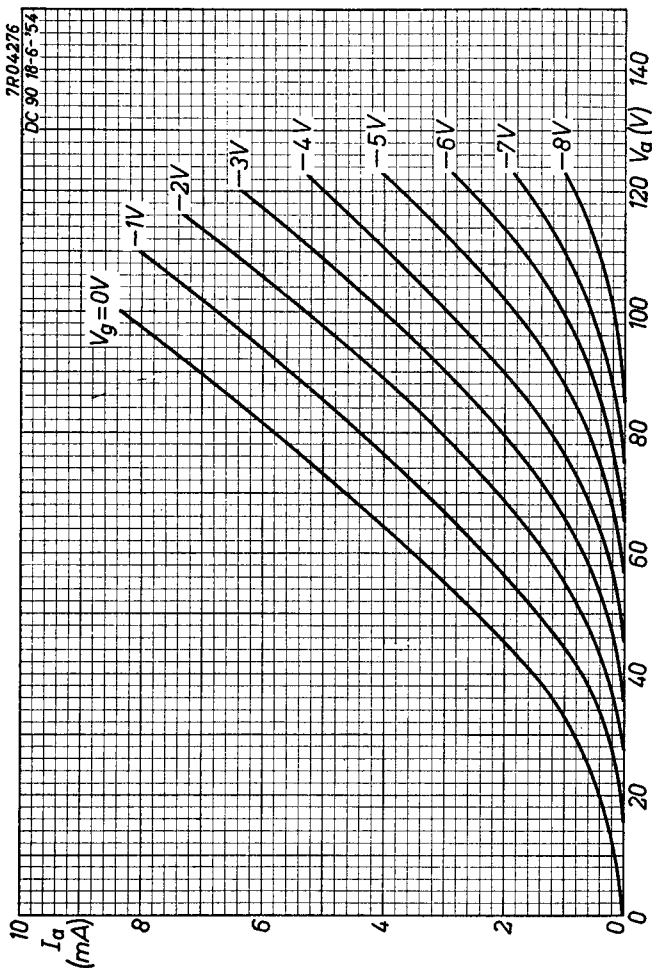
Grenzdaten

|                        |        |               |
|------------------------|--------|---------------|
| $V_{a0}$               | = max. | 140 V         |
| $V_a$                  | = max. | 90 V          |
| $W_a$                  | = max. | 0,6 W         |
| $I_k$                  | = max. | 5,5 mA        |
| $R_g$                  | = max. | 3 M $\Omega$  |
| $R_g$ ( $W_a < 0,4$ W) | = max. | 10 M $\Omega$ |



DC90

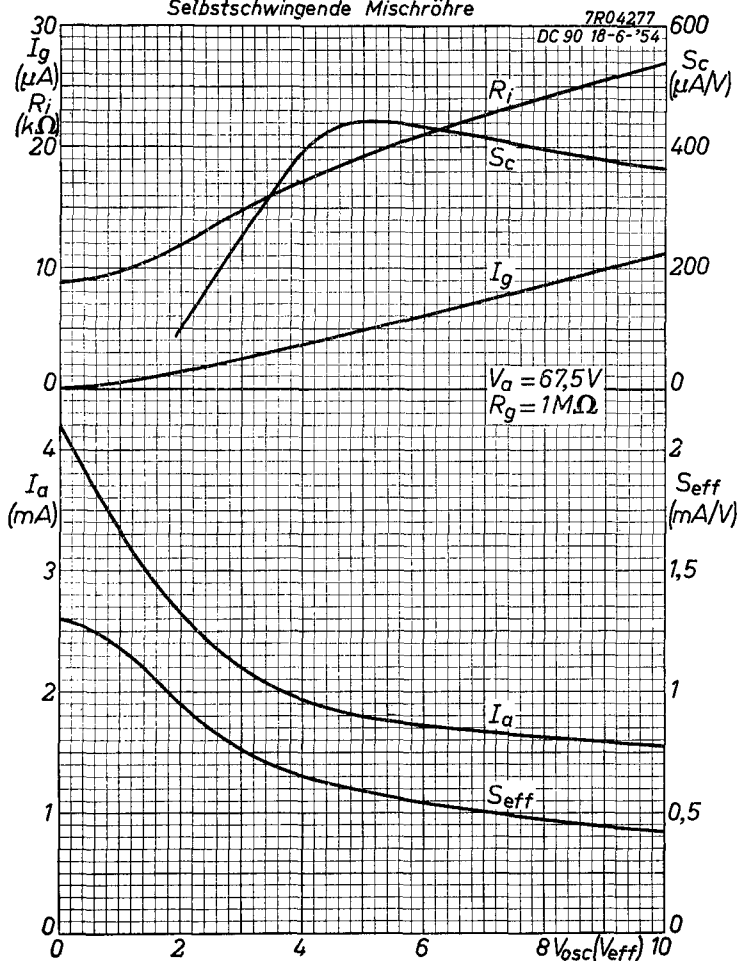
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Self-oscillating frequency changer  
Tube mélangeur auto-oscillateur  
Selbstschwingende Mischröhre

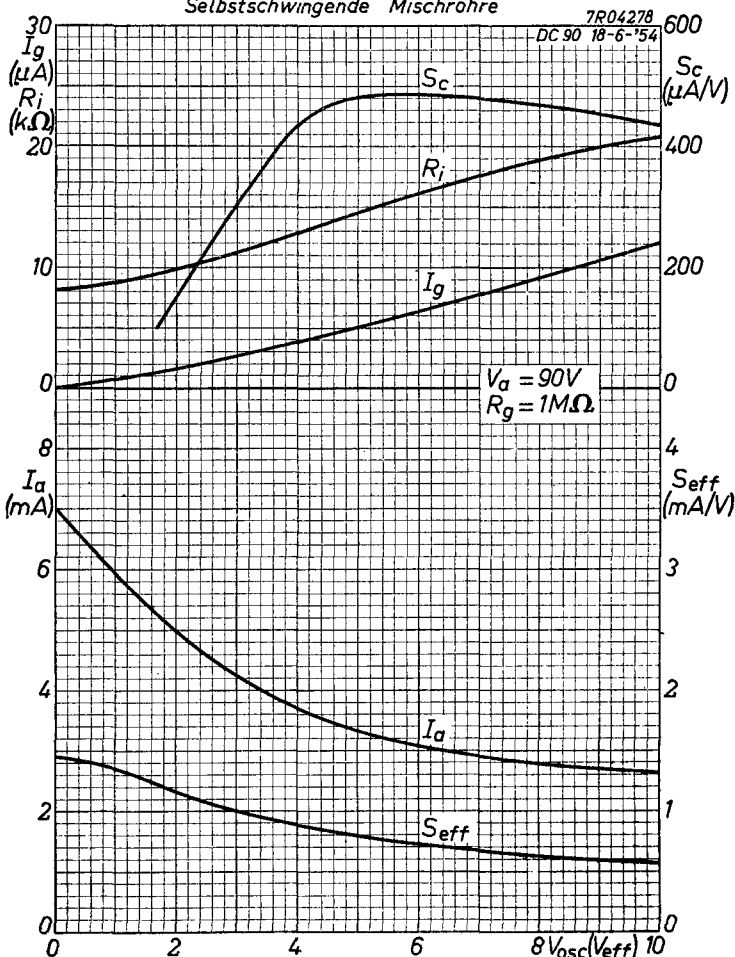


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Self-oscillating frequency changer  
Tube mélangeur auto-oscillateur  
Selbstschwingende Mischröhre





|      | DC90  |            |
|------|-------|------------|
| page | sheet | date       |
| 1    | 1     | 1959.04.04 |
| 2    | 2     | 1959.04.04 |
| 3    | A     | 1954.06.06 |
| 4    | B     | 1954.06.06 |
| 5    | C     | 1954.06.06 |
| 6    | D     | 1954.06.06 |
| 7    | FP    | 2000.03.10 |