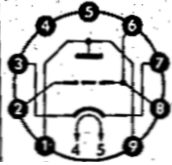


# EC 86

Steile  
UHF-Triode  
HF-Verstärker  
Mischer,  
selbst-  
schwingend

UHF triode  
RF amplifiers  
mixer,  
self excited

Pico 9  
Novol 7  
Größe 8  
Outlines 8  
Stift · Pin  
1 a  
2 g  
3 k  
4 f  
5 f  
6 g  
7 k  
8 g  
9 a



$U_f = 6,3 \text{ V}$   
 $I_f \text{ ca. } 170 \text{ mA}$

indirekt geheizt  
indir. heated

$U_a = 175 \text{ V}$   
 $U_g = -1,5 \text{ V}$   
 $I_a = 12 \text{ mA}$   
 $S = 14 \text{ mA/V}$   
 $\mu = 68$   
 $r_{aeq} = 230 \Omega$   
 $\Delta c_g = 2 \text{ pF}$   
 $G_n (100 \text{ MHz}) = 0,5 \text{ mS}$   
 $\varphi_s (100 \text{ MHz}) = -7^\circ$

HF-Verstärker in  
Gitterbasis-Schaltung

RF amplifier in  
grounded grid circuit  
 $U_a = 175 \text{ V}$   
 $R_k = 125 \Omega$   
 $I_k = 12 \text{ mA}$   
 $S = 14 \text{ mA/V}$

1) kapazitiv überbrückt  
capacitively by-passed

Kapazitäten · Capacitances

$c_{ga} = 2 \text{ pF}$	$c_{k/f+g} = 6,6 \text{ pF}$
$c_{ak} = 0,2 \text{ pF}$	$c_{g/k+f} = 3,9 \text{ pF}$
$c_{gk} = 3,6 \text{ pF}$	$c_{a/k+f} = 0,3 \text{ pF}$
$c_{gf} < 0,3 \text{ pF}$	$c_{a/g+f} = 2,1 \text{ pF}$

Mischer, selbstschwing.

Mixer, self-excited

$U_b = 220 \text{ V}$   
 $R_{av} 1) = 5,6 \text{ k}\Omega$   
 $R_g = 50 \text{ k}\Omega$   
 $I_a = 12 \text{ mA}$   
 $I_g \text{ ca. } 50 \mu\text{A}$

$U_a = 220 \text{ V}$   
 $N_a = 2,2 \text{ W}$   
 $I_k = 20 \text{ mA}$   
 $U_g = -50 \text{ V}$   
 $R_g 2) = 1 \text{ M}\Omega$   
 $R_{f/k} = 20 \text{ k}\Omega$   
 $U_{f/k+} = 100 \text{ V}$   
 $U_{f/k-} = 50 \text{ V}$   
 $t_{\text{Kolben}} = 165^\circ\text{C}$   
 $f_{\text{max}} 3) = 800 \text{ MHz}$

2)  $U_g$  mittels  $R_k$   
 $U_g$  by  $R_k$   
3) für Betrieb als  
HF-Verstärker  
for operation as  
RF amplifier