

# >> FC 305F(1313) triode

■ *Output power of grid pulse RF oscillator and amplifier for class C: over 1 kW*

## General characteristics

Cathode .....	Oxide
Heating.....	Indirect
Filament voltage .....	6.3 V
Filament current .....	1.2-1.5 A
Interelectrode capacitances(cathode earthed)	
Cathode-grid .....	8 pF
Anode-grid .....	1.65 pF
Cathode-anode .....	0.06 pF
Transconductance( $U_a=600$ V, $I_a=75$ mA) .....	30 mA/V
Amplification factor .....	120
Operating position .....	Any
Weight .....	64 g
Dimensions.....	See page 94
Anode cooling .....	
Air flow,min. ....	80 L/min
Temperature at the seal,max. ....	250°C
Temperature on the surface of the tube,max. ....	200°C



## Maximum ratings

Frequency .....	3000 MHz
Anode DC voltage .....	8 kV
Average anode current .....	16 mA
Grid DC voltage .....	-150 V
Average anode dissipation .....	100 W
Average grid dissipation .....	1.5 W

## Typical operation

Frequency	1100	MHz
Pulse duration	1.5	$\mu$ s
Duty factor	0.0018	
Anode DC voltage	2.5	kV
Grid DC voltage	-100	V
Output power	>1000	W