

## ■ Output power 10 kW

### General characteristics

Cathode .....	Thoriated tungsten
Heating.....	Direct
Filament voltage .....	7.5±0.35 V
Filament current .....	51.5 A
Capacitances(cathode earthed),approx:	
Input .....	35 pF
Output .....	0.9 pF
Transfer .....	20 pF
Amplification factor,average .....	22
Operating position .....	Vertical,anode up or down
Weight,(approx.)	
FU611F .....	2.8 kg
FU612F .....	3.2 kg
FU613F .....	2.9 kg
Dimensions.....	See page 95
Anode cooling.....	Forced air
Temperature on the surface of the tube,max.....	250℃



### Maximum ratings

Frequency	
FU611F.....	110 MHz
FU612F/FU613F.....	75 MHz
Anode voltage .....	5.5 kV
Anode current.....	2 A
Grid voltage .....	-1 kV
Anode dissipation.....	2670 W
Grid dissipation.....	150 W



### Typical operation

#### RF amplifier plate modulated Example 1 Example 2 Example 3

	Example 1	Example 2	Example 3	
Frequency	≤30	≤30	≤30	MHz
Output power	5	5.3	5.3	kW
Anode voltage	4	4.5	5	kV
Grid bias voltage	-450	-500	-550	V
Anode current	1.67	1.47	1.25	A
Grid current	180	140	150	mA