

■ 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