

>> FU 615F(1425) VHF tetrode

■ Output powers in RF amplifier for class C:1.5 kW

General characteristics

CathodeThoriated tungsten
Heating..... Direct
Filament voltage.....5V
Filament current.....38.5A
Interelectrode capacitances(cathode earthed),approx:
 Input..... 78 pF
 Output.....10.5pF
 Transfer 0.25 pF
Transconductance($I_a=1.0, U_{g_2}=500\text{ V}$).....23mA/V
Internal amplification factor, average.....5.5
Operating position.....Vertical
Weight, approx.....800 g
Dimensions.....See page 95
Anode cooling.....Forced air
Temperature on the surface of the, max.....250 °C



Maximum ratings

Frequency..... 220 MHz
Anode voltage..... 3kV
Anode current..... 1.0 A
Anode dissipation..... 1.5 kW
Control-grid dissipation..... 25 W
Screen-grid dissipation..... 75 W

Typical operation

Class C RF amplification

Frequency	220	MHz
Output power	1.5	kW
Anode voltage	3	kV
Screen-grid voltage	500	V
Anode current(with signal)	1.0	A