

# >> FC735F(1411) UHF tetrode

■ **Operating frequency:860MHz**

**Peak-of-sync output power in combined amplification:1.1 kW**

## General characteristics

Cathode .....	Oxide
Heating .....	Indirect
Heater Voltage.....	10.7±0.3V
Heater Current.....	6.40±0.25A
Interelectrode capacitances	
Cathode-Control-grid.....	58pF
Cathode-grid-Screen-grid.....	80pF
Screen-grid-anode.....	12pF
Transconductance.....	45mA/V
Internal amplification factor.....	8
Operating position.....	Vertical,anode up or down
Weight.....	1.8kg
Dimensions.....	See page 94
cooling.....	Forced air
Anode air flow.....	3000 L/min
Stem air flow.....	800 L/min
Temperature at the seal,max,.....	250℃
Temperature at the terminal,max,.....	150℃
Temperature on the surface of the tube,max,.....	250℃



## Maximum ratings

Frequency.....	860MHz
Anode voltage.....	4kV
Anode current.....	1.5A
Screen-grid voltage .....	650V
Control-grid voltage .....	-150V
Anode dissipation .....	3kW
Control-grid dissipation.....	10W
Screen-grid dissipation.....	40W

## Typical operation

Frequency	650	MHz
Peak-of-sync output power	1.1	kW
Power of the sound carrier	100	W
Bandwidth(-1dB)	8	MHz
Intermodulation distortion I	≤-52	dB
Gain	14	dB
Anode voltage	3.3	KV
Screen-grid voltage	600	V
Anode current (with signal)	0.75	A
Anode current (at zero signal)	0.4	A