

>> FC 734F(1410) UHF tetrode

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

Output power in sound carrier amplification:2.3 KW

General characteristics

Cathode	Oxide
Heating	Indirect
Filament voltage	3.8V
Filament current	20.5A
Interelectrode capacitances,approx.:	
Cathode-control grid	42pF
Cathode-screen grid	2.2pF
Cathode-anode	0.005pF
Cathode grid-screen grid	60pF
Cathode grid-anode	0.05pF
Screen grid-anode	8.2pF
Transconductance (Ia=0.5A,Ug ₂ =500V,Ua=3kV).....	55mA/V
Internal amplification factor,average	11
Operating position.....	Any
Weight,approx.....	1.1kg
Dimensions.....	See page 94
Anode cooling(1).....	Forced air
Air flow,min,.....	2100L/min
Corresponding pressure drop.....	220℃
Temperature at air outlet,max,.....	100℃
Cooling at the sealing between electrode terminal and ceramic.....	Forced air
Temperature on the surface of the tube,max,.....	250℃



Maximum ratings

Frequency.....	1215MHz
Anode voltage(bandIII).....	4.2V
Anode current.....	1.2A
Control-grid voltage.....	-100W
Screen-grid voltage.....	650V
Anode dissipation.....	2kW
Control-grid dissipation.....	5W
Screen -grid dissipation.....	30W

(1) Values for cooling given for maximum anode disstion

Typical operation

	Combined Amplification	Sound only	
Frequency	600-860	600-860	MHz
Output power	1.1(peak-of-sync)	1.3	kW
Bandwidth	8(-1dB)	6(-3dB)	MHz
Intermodulation zdistortion	≤-47	-	dB
Gain	≥16.5	≥17.5	dB
Anode voltage	3.4	3.4	KV
Screen-grid voltage	600	600	V
Anode current (with signal)	750	900	mA
Anode current(at zero signal)	500	450	mA
Screen-grid current	15	22	mA