

# >> FC201F(1402) UHF tetrode

■ Operating frequency:960 MHz

Output power of TV transmitter:110W

Output power for pulse-width modulation broadcasting transmitter:1.2kW

## General characteristics

Cathode .....	Oxide
Heating .....	Indirect
Heater voltage.....	3.8V
Heater current.....	18.5-22.5A
Interelectrode capacitances(grid earthed)	
Input.....	37.5pF
Output.....	12pF
Transfer.....	0.015 pF
Transconductance( $U_a=3000V, I_a=0.5A, U_{g2}=500V$ ).....	55 mA/V
Amplification factor.....	11
Operating position.....	Vertical, anode up or down
Weight.....	1.2kg
Dimensions.....	See page 94
Anode cooling.....	Forced air
Air flow, min, .....	1500 L/min
Temperature at the seal, max, .....	250°C
Temperature at the terminal, max, .....	150°C
Temperature on the surface of the tube, max, .....	250°C



## Maximum ratings

Frequency.....	960MHz
Anode DC voltage.....	2.6V
Screen-grid DC voltage.....	650V
Control-grid DC voltage .....	-100V
Anode dissipation.....	1.6kW

## Typical operation

Frequency	470-790	MHz
Anode DC voltage	2.5	kV
Anode current (black level)	425	mA
Gain	≥14	dB
Peak-of-sync output power	110	W