

# >> FU 002F(1439) VHF tetrode

■ Output powers In FM transmitters:36.5kW

## General characteristics

Cathode	Thoriated tungsten
Heating	Direct
Filament voltage	$6.3_{-0.3}^{+0}$ V
Filament current	160A
Interelectrode capacitances(cathode earthed),approx.	
Input	17.5 pF
Output	32 pF
Transfer	1.5 pF
Transconductance( $I_a=3.5A, U_{g2}=750V$ )	45mA/V
internal Amplification factor,average	5
Operating position	Vertical
Weight, approx.	5.8kg
Dimensions	See page 95
Anode cooling	Forced air
Temperature on the surface of the tube,max.	250℃



## Maximum ratings

Frequency	225MHz
Anode voltage	10kV
Anode current	5.0A
Control-grid voltage	-1.5kV
Screen-grid voltage	1.5kV
Anode dissipation	15kW
Control-grid dissipation	200W
Screen-grid dissipation	450W

## Example1 Example2

Frequency	110	110	MHz
Output power	10	36.5	kW
Anode voltage	7.4	10	kV
Control-grid bias voltage	-300	-550	V
Screen-grid voltage	720	750	V
Anode current	3	4.55	A
Control-grid current	10	270	mA
Screen-grid current	80	540	mA

## Typical operation