

>> *FU 113F(1417) VHF tetrode*

■ *Peak-of-sync output power in TV vision carrier amplification:13.4 kW*

General characteristics

CathodeThoriated tungsten
Heating..... Direct
Filament voltage.....7.5V
Filament current.....120A
Interelectrode capacitances, approx.:
 Control-control grid..... 56pF
 Control grid-screen grid..... 91pF
 Control grid-anode 0.6pF
 Cathode-anode.....0.075pF
Transconductance($I_a=2A$).....60 mA/V
Internal amplification factor, average.....8.75
Operating position.....Vertical, anode up
Weight, approx.....9.4kg
Dimensions.....See page 95
Anode cooling.....Forced air
Cooling at the sealing between electrode terminal and ceramic.....Forced air
Temperature on the surface of the tube, max.....250°C



Maximum ratings

Frequency..... 250 MHz
Anode voltage..... 8 kV
Anode current..... 5.5 kV
Screen-grid voltage 1.5 kV
Anode dissipation..... 15 kW
Control-grid dissipation..... 180 W
Screen-grid dissipation..... 300 W

Vision carrier amplification

Peak-of-sync output power	13.4	KW
Anode voltage	6.2	KV
Control-grid bias voltage	-120	V
Screen-grid voltage	880	V
Anode current, with signal	3.5	A
Control-grid current	46	MA
Screen-grid current	27	mA

Typical operation