

>> FU 104Z(1414) AM tetrode

■ Operating frequency:30 MHz

Max.anopde output power:117.5 kW

General characteristics

Cathode	Thoriated tungsten
Heating.....	Direct
Filament voltage	10±0.5 V
Filament current	300 A
Capacitances(cathode earthed)	
Input	410 pF
Output	54 pF
Transfer	3.0 pF
Transconductance(I=20-25A)	160 mA/V
Internal amplification factor	5.5
Operating position	Vertical, anode up or down
Weight	39 kg
Dimensions.....	See page 95
Cooling	Vapotron for anode,forced air for stem
Air flow,min.	2000L/min
Temperature at the air inlet,max.	45℃
Height of the static water,min	at 2/3 anode height
Temperature on the surface the tube,max.	250℃



Maximum ratings

Frequency	30 MHz
Anode voltage	15 kV
Anode current	15 A
Control-grid voltage.....	-2 kV
Screen-grid voltage	2 kV
Anode dissipation	100 kW
Control-grid dissipation	0.5 kW
Screen-grid dissipation	1.75 kW

Typical operation

Frequency	≤30	MHz
Anode DC voltage	13	kV
Screen-grid DC voltage	750	V
Control-grid DC voltage	-500	V
Screen-grid audio peak voltage(100%AM)	750	V
Anode DC current	11	A
Screen-grid DC current	1.47	A
Control-grid DC current	1.07	A
Control-grid RF peak voltage	790	V
Control-grid driving power	790	W
Anode dissipation	25.5	kW
Anode output power	117.5	kW