

Electron Tube FU-4500F(Equivalent to 3CX4500F3)

Is a Thorium Tungsten Cathode Ceramic Structure, Forced Air Cooling, Medium Amplification Factor Triode. The Maximum Operating Frequency is 75MHz, the Maximum Dissipation Power of the Plate is 6KW, and the Maximum Dissipation power of the Grid is 300W. The oscillator is mainly used in industrial high frequency heating equipment.

In industrial applications, the filament of the tube is drawn with soft wires, and the grid is connected with the equipment with a strong flange plate. It can be equivalent to 3CX4500F3.

1、General Characteristics

Filament Voltage	7 V	Filament Current	78 A
Max. Diameter	155.58 mm	Amplification Factor	22
Interelectrode Capacitances (Grounded Filament)	Input	35	pF
	Output	20	pF
	Feedback	0.9	pF
Max. Operating Frequency	75 MHz	Cooling Method	Forced Air Cooling
Filament Tube Line and the Highest Temperature	150 °C	Max. Length	468.3 mm
Max. Temperature Plate Core	250 °C	Operating Position	Vertical



2、Maximum Ratings

DC Plate Voltage	9000 V	DC Grid Voltage	-1000 V
DC Plate Current	3.0 A	DC Grid Current	0.8 A
Plate Dissipation	6 KW	Grid Dissipation	300 W

3、Typical Working Condition

DC Plate Voltage	8000 V	DC Plate Current	2.75 A
DC Grid Voltage	-750 V	DC Grid Current	0.68 A
Peak Grid Voltage	346 V	Driving Power	710 W
Plate Input Power	22 KW	Plate Dissipation	4.8 KW
Plate Output Power	15 kW	Load Resistance	1437 Ω
Grid Resistance	1040 Ω		

