

# Electron Tube FU-3103F(Equivalent to ITL12-1)

Is a Coaxial Ceramic & Metal Power Triode with Thorium-Tungsten Cathode. Medium Power Forced Air-Cooled Triode. Its Maximum Operating Frequency is 120MHz, Maximum Plate Dissipation Power is 12KW. Maximum Output Power is 33KW. Which can be used in High Frequency Heating Equipment and Impulse Oscillator.

## 1、General Characteristics

Filament Voltage	5.8 V	Filament Current	145 A
Transconductance	50 MA/V	Amplification Factor	22
Interelectrode Capacitances	Input	5	pF
	Output	21	pF
	Feedback	1	pF
Weight	6.5 KG	Cooling Method	Forced Air Cooling
Max. Temperature at Any Point Tube Envelope	220 °C	Max. Length	233 mm
Operating Position	Vertical		



## 2、Maximum Ratings

Plate Voltage	12 KV	Plate Current	5.0 A
Plate Dissipation	12 KW	Grid Dissipation	350 W

## 3、Typical Working Condition

Plate Voltage	8000 V	Plate Current	4.8 A
Grid Voltage	900 V	Grid Current	0.72 A
Plate Dissipation	8.6 KW	Grid Dissipation	220 W
Plate Output Power	29 KW		

