

- Up to 220 GHz operating frequency
- High sensitivity
- Low noise factor
- Multi channel radiometers
- Sweeping radiometers
- Custom design



Description

ELVA-1 radiometers for plasma diagnostic are worldwide known product. The custom designed ECE radiometers have been installed at lots of Tokamaks:

- JET Tokamak, UK
- TCV Tokamak, Switzerland
- TCABR Tokamak, Brazil
- FTU Tokamak, Italy
- CASTOR Tokamak, Czech Republic
- Southwestern Institute of Physics, China



Receiver module of Radiometer



Inside view of E-band front-end of Radiometer for Castor Tokamak

Specifications

Parameter\Tokamak	JET/KK3	JET/KK3	TCV	TCABR	FTU
Type	Front-End	Front-End	Multi-channel	Sweeping	Multi-channel
Operating frequency, GHz	69-139	139-206	78-114	52-85	113-153
Channel Number	6	6	24	1	32
Noise factor, dB (typ)	9-12	12-15	15-20	15	15-22
Output frequency	6-18 GHz	6-18 GHz	40 kHz	1 MHz	1 MHz
Putting into operation	2001	2008	2000	2002	2000

How to Order

Please apply with your request to ELVA- 1 office: sales@elva-1.com