



Section 5-2: Waveguide Full Band Faraday Isolators

www.3jmicrowave.com Frequency Coverage: 18 to 110 GHz

Applications:

- Cascade Impedance matching
- Instrumentation
- Bench Test

Features:

- High Isolation
- Full Band Operation

Descriptions:

3J Microwave, Inc. offers a complete line of faraday isolators in 8 waveguide bands from K to W. The faraday isolator features low insertion loss and high isolation in full waveguide band. The Faraday isolators are excellent choices for the applications of Instrumentation,



Bench Test and cascade impedance matching in the multiple-stage modules or subsystems. The waveguide faraday isolators cover the frequency range from 18 to 110 GHz. The full-band waveguide isolators are sorted in category of **FFI** full band waveguide faraday isolators.

FFI Full Band Waveguide Faraday Isolator Specifications:

Model Number**	WG Band	Freq (GHz)	BW (GHz)	I. L. (dB)	Isolation (dB)	I/O Return Loss (dB)	RF/LO Connector	Outline
FFI-x-00	WR-42	18-27	Full Band	0.8	-26	-18	UG595-U	
	WR-34	22-33		1.0			UG595-UM	
	WR-28	26-40		1.2			UG599-U	
	WR-22	33-50		1.5			UG383-U	
	WR-19	40-60		1.6			UG383-UM	
	WR-15	50-75		1.8			UG385-U	
	WR-12	60-90		2.0			UG387-U	
	WR-10	75-110		2.0			UG387-UM	

* Center Frequency can be chosen in the specified waveguide bands

** Please see "how to order" for the model number details

How to Order:



Model No. Example:

Model Number of a W-Band Full Band Faraday Isolator:

FFI-W-00

Outlines:

Please see Section 5-3, Page 5-5 for the outline details