

Ferrite Devices

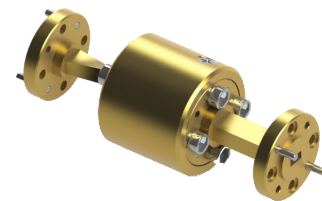
OISF-42-S

Model OISF-42-S is a full band Faraday isolator that operates from 18 to 26.5 GHz.

The Faraday isolator is constructed with a longitudinal, magnetized ferrite rod that causes a Faraday rotation of the incoming RF signal.

The Faraday isolator offers 30 dB typical isolation and a 1.2 dB nominal insertion loss with good flatness. The return loss of the isolator is 14 dB.

The input and output ports are WR-42 waveguides with UG-595/U flanges.



Features

Low Insertion Loss

Moderate Isolation

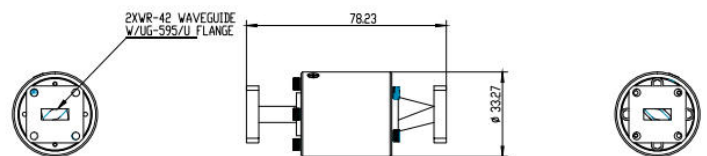
Compact Configuration

Applications

Port Isolation

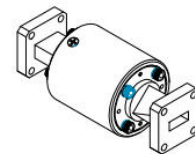
Module Integration

PRODUCT DIMENSIONS



Electrical Specifications

RF Frequency Range(GHz)	18-26.5
Insertion Loss(dB)	1.2
Isolation(dB)	30
Return Loss	14
Power Handling(W)	2.0(CW)
Specification Temperature	+25 °C
Operating Temperature	-40°C~+85 °C



Test

Typical Performance vs. Frequency

