

Ferrite Devices

OIS-430460-05-18-22

Model OIS-430460-05-18-22 is a Q band waveguide junction isolator that covers the frequency range of 43 to 46 GHz.

Compared with a Faraday isolator, the waveguide junction isolator offers a lower insertion loss of 0.5 dB nominal and a much shorter insertion length for system integration.

As a tradeoff, the waveguide junction isolator only offers an isolation of 18 dB typical.

The input and output ports are WR-22 waveguides with UG-599/U flanges. Various configurations and frequency ranges are offered under different model numbers.



Features

Low Insertion Loss
Moderate Isolation
Compact Configuration

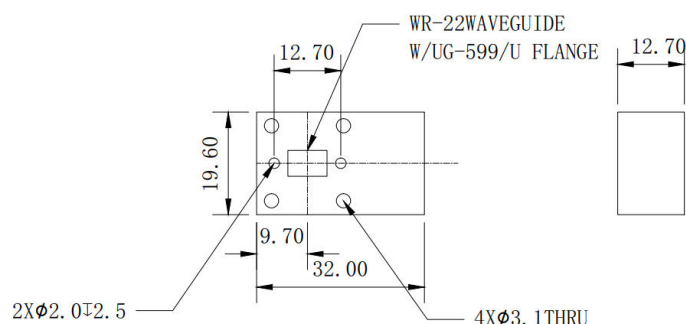
Applications

Port Isolation
Module Integration

Electrical Specifications

RF Frequency Range(GHz)	43-46
Insertion Loss(dB)	0.5
Isolation(dB)	18
VSWR	1.3:1
Power Handling(W)	5

PRODUCT DIMENSIONS



Test

Typical Performance vs. Frequency

