



# Ferrite Devices

## OIS-340360-03-20-28

Model OIS-340360-03-20-28 is a Ka band waveguide junction isolator that covers the frequency range of 34 to 36GHz.

Compared with a Faraday isolator, the waveguide junction isolator offers a lower insertion loss of 0.3dB typical and a much shorter insertion length for system integration.

As a trade off, the waveguide junction isolator only offers a typical isolation of 20dB.

The input and output ports are WR-28 waveguides with UG-599/U flanges.



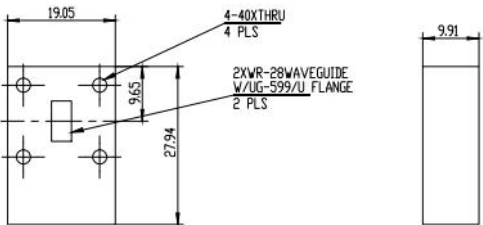
### Features

Low Insertion Loss
Moderate Isolation
Compact Configuration

### Applications

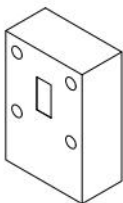
Port Isolation
Module Integration

### PRODUCT DIMENSIONS



### Electrical Specifications

RF Frequency Range(GHz)	34-36
Insertion Loss(dB)	0.3
Isolation(dB)	20
VSWR	1.4:1
Forward Power Handling(W)	2
Reverse Power Handling(W)	0.5
Specification Temperature	+25 °C
Operating Temperature	-45 °C~+85 °C



### Test

Typical Insertion Loss and Isolation vs. Frequency

