

## DESCRIPTION

The HMID series of double ferrite junction isolators are available to cover 71-76 GHz and 81-86 GHz, with more models planned. The isolators utilize a low loss H-plane structure in a modified Y-junction format to provide minimum loss with high isolation (~40 dB).

The isolators are commonly utilized to buffer mismatches and are often used on amplifier and oscillator outputs. They also work nicely when used at the inputs to detectors in measurement applications.



## APPLICATIONS

Buffering of High VSWR Components

## FEATURES

40 dB Isolation

Very Low Loss

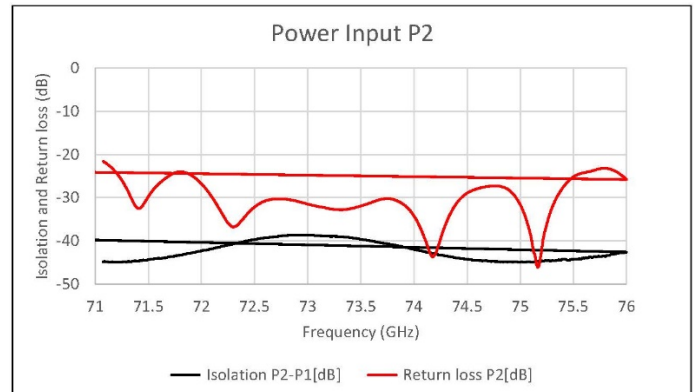
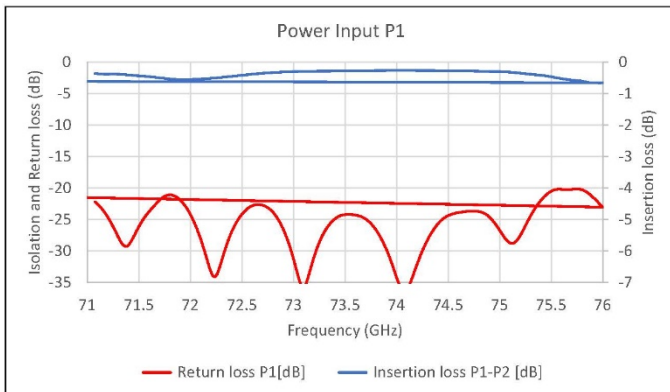
In-Line Port Orientation

Part Number	Frequency Range (GHz)	Waveguide	Standard Flange	Insertion Loss (dB)	Isolation (dB)	CW Power Handling
HMID12-387-73.5-5.0	71.0 – 76.0	WR – 12	UG–387/U	0.8	40	2 watts +
HMID12-387-83.5-5.0	81.0 – 86.0	WR – 12	UG–387/U	0.8	40	2 watts +

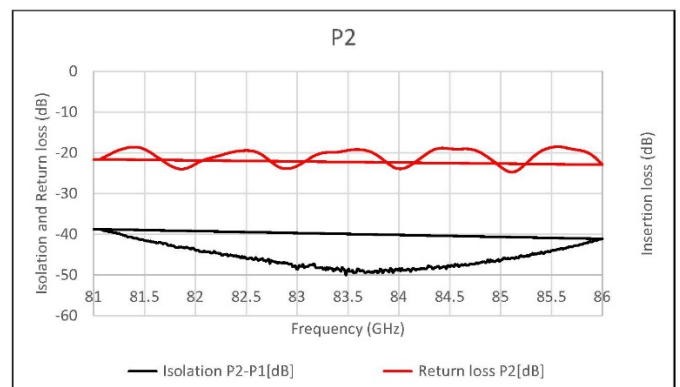
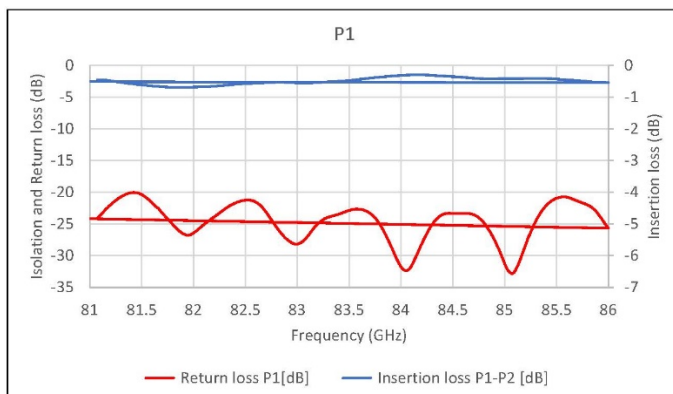
## General Specifications

Frequency Bandwidth: 5 GHz nominal  
 Operating Temperature: 0 to +60°C  
 VSWR: 1.25:1 typical

## LowBand Data



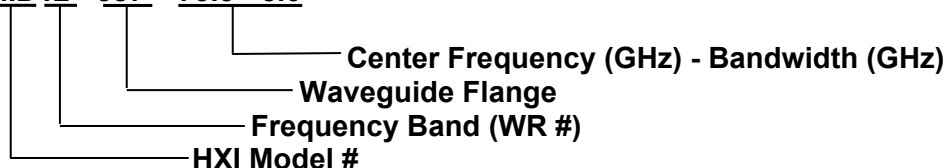
## HighBand Data



## Requesting quotes

When requesting a quote for HMID double junction ferrite isolators, please specify required center frequency, bandwidth and any other required specifications. The part number guide below can be used as a reference for requesting quotes.

**HMID12 - 387 - 73.5 - 5.0**





# Series HMID Double Junction Isolators

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