Ku-Band Orthomode Transducer OMT75K-X09

Optim Microwave, Inc. 4020 Adolfo Road Camarillo CA 93012

MICROWAVE COMPONENT

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1 Mechanical Specifications

The unit has a 0.7"diameter circular waveguide at the common port, and WR75 flanges at both the through port and the side port.

With the same performance, the OMT presently comes in four different versions:

OMT	Length	O-Rings	Screw Type	Weight
OMT75K-109	1.365''	-	6-32	80.3g/2.8oz
OMT75K-209	1.365''	i	metric M4	80.3g/2.8oz
OMT75K-309	1.365''	conductive	6-32	80.3g/2.8oz
OMT75K-409	1.626''	-	6-32	85.2g/3.0oz

Other combinations of length, O-rings, and screw type are available upon request.

2 Electical Specifications

1. Frequency Band

Through Port:

10.70 - 14.50 GHz

Side Port:

10.70 - 12.75 GHz

2.Insertion Loss

See plots.

3.Return Loss

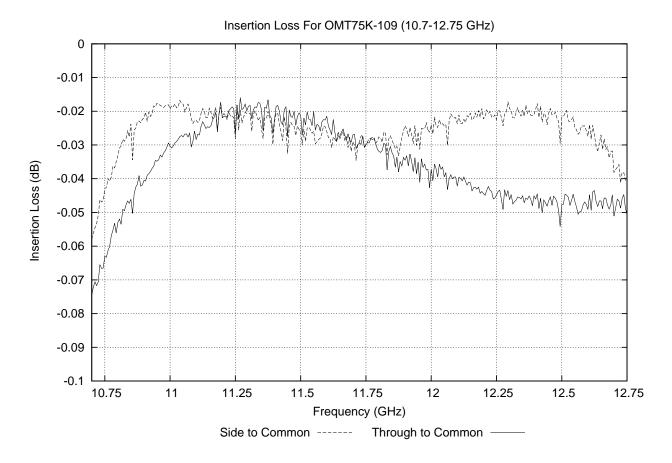
See plots.

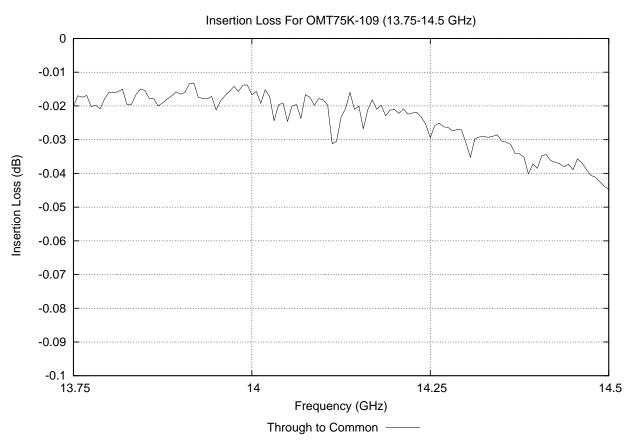
4. Isolation

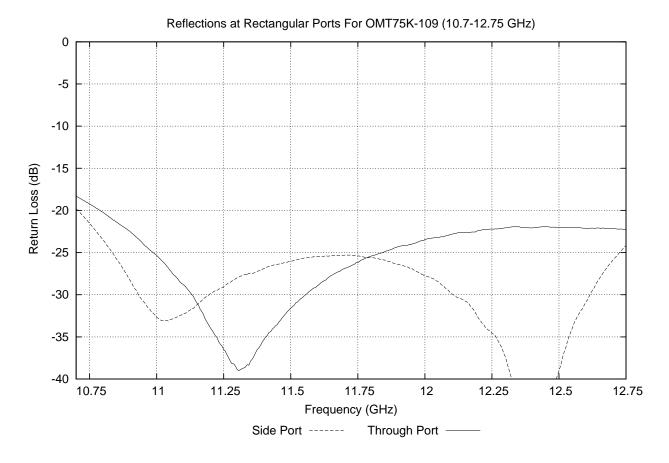
Side port to Through port

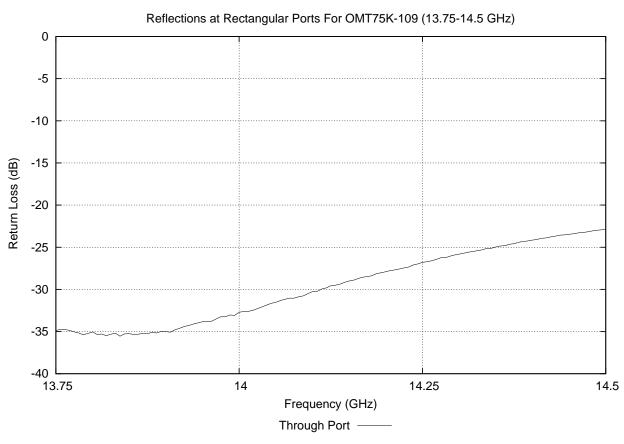
< -40 dB

3 Typical Electrical Performance Measurements









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