



# RECTANGULAR WAVEGUIDE ISO ADAPTERS i40 SERIES

**DATA  
SHEET  
No.T96**

- **LOW VSWR**
- **HIGH ISOLATION**
- **FULL BAND WIDTH**

## DESCRIPTION

MEC is pleased to offer a complete line of Rectangular Waveguide ISO adapters. These adapters are offered in all common waveguide sizes and can be used to isolate signals from either the coaxial or waveguide transmission line. Typical models are similar in size to MEC 40 Series adapters and have an SMA female Coax connector. The i40 Series ISO adapters are available in full band or an optimized narrow band. Contact factory for your specific requirements.

## SPECIFICATIONS

MODEL NO.	FREQUENCY RANGE	WAVEGUIDE SIZE	ISOLATION* FULL BAND	VSWR	IL
Li40	1.12- 1.70	WR650	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
LMi40	1.45-2.20	WR510	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
LAI40	1.70-2.60	WR430	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
LSi40	2.20-3.30	WR340	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Si40	2.60-3.95	WR284	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Bi40	3.30-4.90	WR229	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Gi40	3.95-5.85	WR187	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Di40	4.90-7.05	WR159	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Ji40	5.85 - 8.20	WR137	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Hi40	7.05- 10.0	WR112	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Wi40	7.0- 11.0	WR102	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Xi40	8.2- 12.4	WR90	20 dB typical – 17 dB min	1.2:1 max	0.5 dB max
Mi40	10.0- 15.0	WR75	20 dB typical – 17 dB min	1.2:1 max	0.6 dB max
Pi40	12.4- 18.0	WR62	20 dB typical – 17 dB min	1.2:1 max	0.6 dB max

## ORDERING INFORMATION

- 1) SPECIFY Waveguide size
- 2) DEFINE Frequency Band
- 3) SPECIFY COAX OUTPUT if other than SMA female is required.

## COVER FLANGES ARE STANDARD

\*SPECIFY Direction of Isolation

