

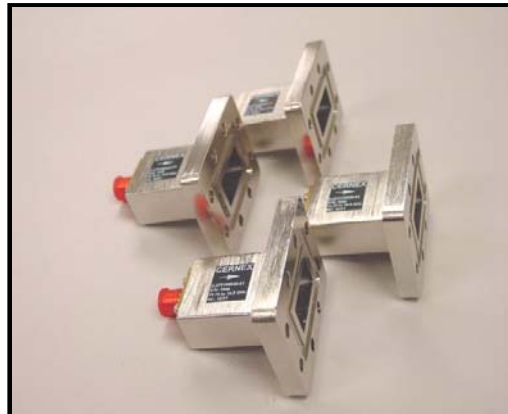
ISO Adapters

FEATURES:

- ❖ Low Cost, High Quality
- ❖ Compact Size, Light Weight
- ❖ High Performance
- ❖ Wide Operation Temperature Range

APPLICATIONS:

- ❖ Load isolation
- ❖ Module integration



CIA Series

SPECIFICATIONS:

ISOLATORS:

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insert. Loss (dB) Max	Isolation (dB) Min	VSWR (Max)	Operating Temp. Range (°C)	Waveguide Type	Size LXWXH (mm)	Type
CIA02030325SI	2.7-3.3	full	0.3	25	1.15	-40-+70	WR284	-	inLine
*CIA03040227SR-XX	3.4-4.8	680	0.25	27	1.12	-40-+70	WR229	-	Right Angle
CIA03040227SI	3.6-4.2	full	0.2	27	1.12	-40-+70	WR229	-	inLine
*CIA04050225SI-XX	4.4-5.0	660	0.2	25	1.15	-40-+70	WR187	-	inLine
*CIA04050225SR-XX	4.4-5.8	660	0.25	25	1.15	-40-+70	WR187	-	Right Angle
*CIA04060323SI-XX	4.5-6.0	900	0.3	23	1.15	-40-+70	WR159	-	inLine
*CIA04060323SR-XX	4.5-6.0	900	0.3	23	1.15	-40-+70	WR159	-	Right Angle
*CIA05080325SI-XX	5.9-8.3	880	0.3	25	1.15	-40-+70	WR137	-	inLine
*CIA05080325SR-XX	5.9-8.3	1100	0.3	25	1.15	-40-+70	WR137	-	Right Angle
*CIA06090325G-XX	6.57-9.99	500	0.3	25	1.20	-40-+85	WR112	58X48X48	Right Angle
*CIA06090420G-XX	6.57-9.99	1000	0.4	20	1.25	-40-+85	WR112	58X48X48	Right Angle
*CIA07100325SI-XX	7.1-10.0	1000	0.35	25	1.15	-40-+70	WR112	-	inLine
*CIA07100325SR-XX	7.1-10.0	1400	0.35	25	1.15	-40-+70	WR112	-	Right Angle
*CIA08120325SI-XX	8.2-12.4	1200	0.35	25	1.15	-40-+70	WR90	-	inLine
*CIA08120325SR-XX	8.2-12.4	1600	0.35	25	1.15	-40-+70	WR90	-	Right Angle
*CIA08120325G-XX	8.2-12.5	500	0.3	25	1.20	-40-+85	WR90	36X42X42	Right Angle
*CIA08120420G-XX	8.2-12.5	1000	0.4	20	1.25	-40-+85	WR90	36X42X42	Right Angle
*CIA09150325G-XX	9.84-15.0	500	0.3	25	1.20	-40-+85	WR75	36X38X38	Right Angle
*CIA09150325G1-XX	9.84-15.0	500	0.3	25	1.20	-40-+85	WR75	36X38X38	Right Angle
*CIA09150420G-XX	9.84-15.0	1000	0.4	20	1.15	-40-+85	WR75	36X38X38	Right Angle
*CIA09150423G-XX	9.84-15.0	1000	0.4	23	1.20	-40-+85	WR75	30.2X38X38	Right Angle
*CIA10130325SI-XX	10.4-13.5	1500	0.35	25	1.15	-40-+70	WR75	-	inLine

ISO Adapters

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insert. Loss (dB) Max	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Waveguide Type	Size LXWXH (mm)	Connector Type
*CIA11180325G-XX	11.9-18.0	500	0.3	25	1.20	-40-+85	WR62	26X37X33	Right Angle
*CIA11180420G-XX	11.9-18.0	1000	0.4	20	1.25	-40-+85	WR62	26X37X33	Right Angle
*CIA12180325SR-XX	12.5-18.0	2500	0.35	25	1.15	-40-+70	WR62	-	Right Angle

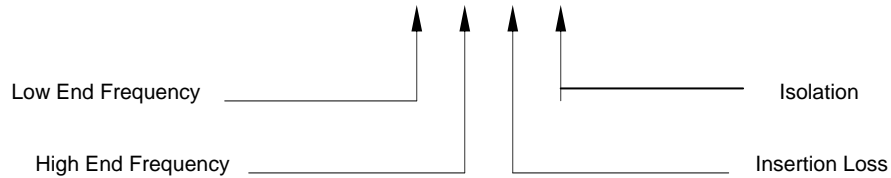
OTHER FREQUENCY BANDS ARE ALSO AVAILABLE.

*THE SPECIFICATIONS FOR THESE MODELS ARE ONLY FOR THE SPECIFIED FREQUENCY BW.

HOW TO ORDER CUSTOM PARTS:

Specify Model Number

CIA – LF HF IL IS – XX ← To be specified by the factory



Example: To order a 2-4 GHz isolator adapter with 0.5 dB maximum insertion loss and 20 dB minimum isolation and, specify CIA-02040520-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE