

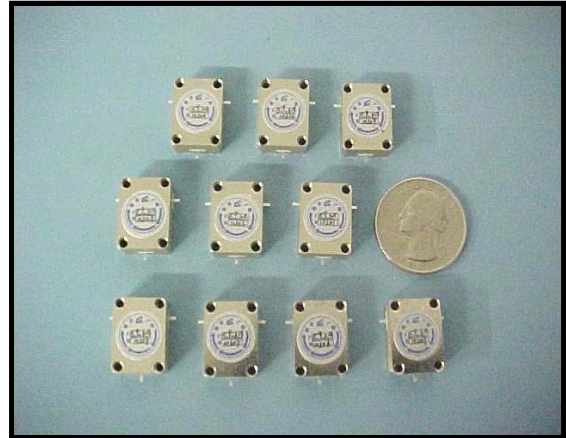
## Drop-in Isolators and Circulators

### FEATURES:

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

### APPLICATIONS:

- ❖ Load isolation
- ❖ Module integration
- ❖ Transceiver duplexer



**CID & CCD Series**

### SPECIFICATIONS:

#### ISOLATORS:

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power (W)	Size LXWXH (mm)
*CIDU4U50323S-XX	0.4-0.5	40	0.3	23	1.20	-40 to +70	10	40X43.5X14.5
*CIDU4U50325G-XX	0.4-0.5	30	0.3	25	1.20	-15 to +60	60	44X54X16
*CIDU4U50423G-XX	0.4-0.5	30	0.4	23	1.20	-15 to +60	150	44X57.5X16
*CIDU4U60325G-XX	0.4-0.6	10	0.3	25	1.20	-15 to +60	10	35X38X15
*CIDU6U80325G-XX	0.6-0.8	30	0.3	25	1.20	-30 to +70	10	35X38X15
*CIDU6010325G-XX	0.6-1.0	30	0.3	25	1.20	-30 to +70	60	35X47X12.6
*CIDU6010325GH-XX	0.6-1.0	30	0.3	25	1.20	-30 to +70	150	35X50X12.6
*CIDU7010323S-XX	0.7-1.0	70	0.3	23	1.20	-40 to +70	10	30X35.5X12.2
CIDU8U90223G	0.8-0.9	Full	0.25	23	1.20	-30 to +70	100	25.4X19X7.4
*CIDU8010323GH-XX	0.8-1.0	25	0.3	23	1.20	-30 to +70	60	25.4X31.7X6.8
*CIDU8010520G-XX	0.8-1.0	100	0.5	20	1.25	-30 to +70	60	25.4X31.7X6.8
*CIDU8010540G-XX	0.8-1.0	25	0.5	40	1.20	-30 to +70	60	55.1X31.7X6.8
*CIDU8010323S-XX	0.8-1.0	20	0.35	23	1.20	-30 to +80	10	25.4X31.7X6.8
*CIDU8010323G-XX	0.8-1.2	25	0.35	23	1.20	-30 to +70	10	20X20X8.6
*CIDU8010650G-XX	0.8-1.2	25	0.65	50	1.20	-30 to +70	10	41X21X8.6
*CIDU8010550G1-XX	0.8-1.2	70	0.5	50	1.20	-30 to +70	10	60X46X13.6
*CIDU8010325G1-XX	0.8-1.2	70	0.3	25	1.20	-30 to +70	10	30X33X12
*CIDU8010420G-XX	0.8-1.2	200	0.4	20	1.25	-30 to +70	10	30X33X12
*CIDU8010325G2-XX	0.8-1.4	25	0.3	25	1.20	-30 to +70	10	25.4X25.4X12
*CIDU8010550G2-XX	0.8-1.8	25	0.5	50	1.20	-30 to +70	10	50X25.4X12



## Drop-in Isolators and Circulators

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power (W)	Size LXWXH (mm)
*CIDU8010550GH-XX	0.8-1.8	25	0.5	50	1.20	-30 to +70	60	50X33.4X12
*CIDU8020323S-XX	0.8-2.0	20	0.35	23	1.20	-30 to +80	10	20X20X9.6
*CIDU9020323S-XX	0.9-2.3	90	0.3	23	1.20	-40 to +70	10	25.4X30X10.5
*CIDU9020325G-XX	0.95-2.0	70	0.3	25	1.20	-30 to +70	10	25.4X28.5X12
*CIDU9020420G-XX	0.95-2.0	200	0.4	20	1.25	-30 to +70	10	25.4X28.5X12
CIDU9010520G	0.99-1.13	Full	0.5	20	1.25	-30 to +70	10	20X20X9.1
*CID01010420G-XX	1.0-1.4	200	0.4	20	1.20	-30 to +70	10	25.4X25.4X12
*CID01020323S1-XX	1.4-2.1	100	0.3	23	1.20	-40 to +70	10	20X28X12
*CID01020325G1-XX	1.4-2.4	70	0.3	25	1.20	-30 to +70	10	25.4X25.4X12
*CID01020420G-XX	1.4-2.4	200	0.4	20	1.20	-30 to +70	10	25.4X25.4X12
*CID01020323G1-XX	1.5-2.0	70	0.3	23	1.20	-30 to +70	10	20X20X9
*CID01020323S2-XX	1.5-2.5	40	0.35	23	1.20	-40 to +70	10	19X19X8.7
*CID01020323S3-XX	1.5-2.5	40	0.35	23	1.20	-40 to +70	10	19X19X8.3
CID01010420GH	1.605-1.625	Full	0.4	20	1.20	-30 to +70	10	15X16.5X6.6
*CID01020323G2-XX	1.7-2.2	70	0.3	23	1.20	-30 to +70	60	25.4X31.7X6.8
*CID01020323G3-XX	1.7-2.3	100	0.3	23	1.20	-40 to +80	60	20X30X11.5
*CID01020323S4-XX	1.7-2.4	100	0.3	23	1.20	-40 to +70	10	25X30X10.5
*CID01020325G2-XX	1.7-2.5	30	0.3	25	1.20	-30 to +70	10	19X19X8.2
*CID01020323G4-XX	1.7-2.5	100	0.3	23	1.20	-30 to +70	10	19X19X8.2
*CID01020322G-XX	1.7-2.5	70	0.3	22	1.20	-30 to +70	5	19X19X5.6
*CID01020640G-XX	1.7-2.5	70	0.6	40	1.20	-30 to +70	5	38X19X5.6
*CID01020322GH-XX	1.7-2.5	70	0.3	22	1.20	-30 to +70	60	19X25.4X5.6
*CID01020325G3-XX	1.7-2.5	30	0.3	25	1.20	-30 to +70	60	19X27X8.2
*CID01020323G5-XX	1.7-2.5	100	0.3	23	1.20	-30 to +70	60	19X27X8.2
*CID02030325G1-XX	2.0-3.0	200	0.3	25	1.20	-30 to +70	10	20X30X11.5
*CID02030420G-XX	2.0-3.0	400	0.4	20	1.20	-30 to +70	10	20X30X11.5
*CID02030325S-XX	2.0-3.2	200	0.3	25	1.20	-40 to +70	10	22X30X10.5
*CID02030325G2-XX	2.0-3.5	200	0.3	25	1.20	-30 to +70	10	25X30X11.5
*CID02030423G-XX	2.0-3.5	400	0.4	23	1.20	-30 to +70	10	25X30X11.5
*CID02030323G-XX	2.0-3.5	200	0.3	23	1.20	-30 to +70	10	18X25X10
*CID02040325S-XX	2.1-4.5	200	0.3	25	1.20	-40 to +70	10	18X25X10.5
CID02020520G	2.2-2.3	Full	0.5	20	1.25	-40 to +80	5	10X22.5X9.8
*CID02050323S-XX	2.7-5.0	200	0.3	23	1.20	-40 to +70	10	14X22X10
CID03030618G	3.1-3.5	Full	0.6	18	1.30	-30 to +70	10	12.7X12.7X6.4

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power (W)	Size LXWXH (mm)
*CID03060323G-XX	3.0-6.0	300	0.3	23	1.20	-30 to +70	10	19X19X7.7
*CID03060520G-XX	3.0-6.0	500	0.5	20	1.25	-30 to +70	10	19X19X7.7
*CID03060325G-XX	3.5-6.5	300	0.3	25	1.20	-40 to +75	10	16X26X10.5
*CID03060423G-XX	3.5-6.5	600	0.4	23	1.20	-40 to +75	10	16X26X10.5
*CID03060550G-XX	3.5-6.5	300	0.5	50	1.20	-40 to +75	10	32X26X10.5
*CID04070325G-XX	4.0-7.0	300	0.3	25	1.20	-40 to +75	10	14X22X9.5
*CID04070423G-XX	4.0-7.0	600	0.4	23	1.20	-40 to +75	10	14X22X9.5
*CID04080323S-XX	4.0-8.0	400	0.3	23	1.20	-40 to +70	10	16X23X9.7
*CID04080325G-XX	4.4-8.0	300	0.3	25	1.20	-40 to +75	10	12.7X19X6
*CID04080420G-XX	4.4-8.0	600	0.4	20	1.20	-40 to +75	10	12.7X19X6
*CID04080325S-XX	4.8-8.5	400	0.3	25	1.20	-40 to +70	10	12X20X9.5
*CID05070325G-XX	5.0-7.0	200	0.3	25	1.20	-40 to +75	10	10X18X8
*CID05070423G-XX	5.0-7.0	600	0.4	23	1.20	-40 to +75	10	12X20X9.5
*CID05070550G-XX	5.0-7.0	100	0.5	50	1.20	-40 to +75	10	22X18X8
*CID05080325G-XX	5.0-8.0	300	0.3	25	1.20	-40 to +75	10	12X20X6
*CID05080423G-XX	5.0-8.0	600	0.4	23	1.20	-40 to +75	10	12X20X6
*CID06070820G	6.75-7.45	Full	0.8	20	1.3	-40 to +80	10	16.7 x 12.4 x 3.6
*CID07070820G	7.05-7.75	Full	0.8	20	1.3	-40 to +80	10	16.7 x12.4 x 3.6
*CID07180423GH-XX	7.0-18	1000	0.4	23	1.20	-40 to +75	10	12X20X9.5
*CID07180325G-XX	7.0-18	300	0.3	25	1.20	-40 to +75	5	8.9X15X7.8
*CID07180423G-XX	7.0-18	1000	0.4	23	1.20	-40 to +75	5	8.9X15X7.8
*CID07180550G-XX	7.0-18	500	0.5	50	1.20	-40 to +75	5	17.8X16X7.8
*CID08160423S-XX	8.0-16	800	0.4	23	1.25	-40 to +70	10	9X16X6.8
*CID08180323G-XX	8.0-18	300	0.3	23	1.20	-40 to +75	5	8.9X13.5X7.8
*CID08180420G-XX	8.0-18	1000	0.4	20	1.20	-40 to +75	5	8.9X13.5X7.8
*CID08180425G-XX	8.0-18	300	0.4	25	1.20	-40 to +75	5	8.9X15X5.6
*CID08180523G-XX	8.0-18	1000	0.5	23	1.20	-40 to +75	5	8.9X15X5.6
*CID09180423G-XX	9.0-18	100	0.4	23	1.20	-40 to +75	5	6.5X12.7X6.8
*CID09180650G-XX	9.0-18	100	0.6	50	1.20	-40 to +75	5	13X12.7X6.8
CID10130520G	10-13	Full	0.5	20	1.25	-40 to +75	5	7X19.5X5.7
*CID12200423S-XX	12-20	1200	0.4	23	1.25	-40 to +70	10	6X12.7X7.2

OTHER FREQUENCY BANDS ARE ALSO AVAILABLE.

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

## Drop-in Isolators and Circulators

### ROUND BODY ISOLATORS:

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power (W)	Size LXWXH (mm)
*CID08100420GR	8.8-10.2	Full	0.4	20	1.20	-30 to +70	10	Φ6.35

OTHER FREQUENCY BANDS ARE ALSO AVAILABLE.

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### CIRCULATORS:

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power (W)	Size LXWXH (mm)
*CCDU3U40323G-XX	0.3-0.4	30	0.3	23	1.20	-15 to +60	150	52X58X16
*CCDU4U50323G-XX	0.4-0.5	30	0.3	23	1.20	-15 to +60	150	44X50X16
*CCDU4U50323S-XX	0.4-0.5	40	0.3	23	1.20	-40 to +70	-	40X40.5X13.5
*CCDU4U60323G-XX	0.4-0.6	10	0.3	23	1.20	-15 to +60	150	35X38X15
*CCDU6U80323G-XX	0.6-0.8	30	0.3	23	1.20	-30 to +70	150	35X38X15
*CCDU7010323S-XX	0.7-1.0	70	0.3	23	1.20	-40 to +70	-	30X32.5X12.2
*CCDU8010323G-XX	0.8-1.2	25	0.35	23	1.20	-30 to +70	30	20X20X8.6
*CCDU8010323GH-XX	0.8-1.2	70	0.3	23	1.20	-30 to +70	100	30X33X12
*CCDU8010325G-XX	0.8-1.4	25	0.3	25	1.20	-30 to +70	60	25.4X25.4X12
*CCDU9020323S-XX	0.9-2.3	90	0.3	23	1.20	-40 to +70	-	25.4X27X10.5
*CCDU9020323G-XX	0.95-2.0	70	0.3	23	1.20	-30 to +70	60	25.4X28.5X12
*CCDU9020420G-XX	0.95-2.0	200	0.4	20	1.25	-30 to +70	60	25.4X28.5X12
*CCD01010420G-XX	1.0-1.4	200	0.4	20	1.20	-30 to +70	60	25.4X25.4X12
*CCD01020323SH-XX	1.4-2.1	100	0.3	23	1.20	-40 to +70	-	20X25X12
*CCD01020420G-XX	1.4-2.4	200	0.4	20	1.20	-30 to +70	60	25.4X25.4X12
*CCD01020323G-XX	1.4-2.4	70	0.3	23	1.20	-30 to +70	60	20X25.4X12
*CCD01020323S-XX	1.5-2.5	40	0.35	23	1.20	-20 to +80	-	19X19X8.7
*CCD01020323GH-XX	1.7-2.2	70	0.3	23	1.20	-30 to +70	100	25.4X25.4X6.8
*CCD01020322G-XX	1.7-2.5	70	0.3	22	1.20	-30 to +70	60	19X19X5.6
*CCD02020320G	2.01-2.025	Full	0.3	20	1.20	-30 to +70	10	12.7X12.7X6.4
*CCD02030325S-XX	2.0-3.2	200	0.3	25	1.20	-40 to +70	-	22X27X10.5
*CCD02030420G-XX	2.0-3.5	400	0.4	20	1.25	-30 to +70	20	25X26X11.5
*CCD02030323G-XX	2.0-3.5	200	0.3	23	1.20	-30 to +70	20	20X25X11.5
*CCD02040325S-XX	2.1-4.5	200	0.3	25	1.20	-40 to +70	-	18X23.5X10.5
*CCD03030618G	3.1-3.5	Full	0.6	18	1.30	-30 to +70	10	12.7X12.7X6.4
*CCD03060323G-XX	3.0-6.0	300	0.3	23	1.20	-30 to +70	20	19X19X7.7



## Drop-in Isolators and Circulators

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power (W)	Size LXWXH (mm)
*CCD03060420G-XX	3.5-6.5	600	0.4	20	1.20	-40 to +75	20	16X22X10.5
*CCD04080323S-XX	4.0-8.0	400	0.3	23	1.2	-40 to +70	-	16X23X9.7
CCD04080615G	4.0-8.0	Full	0.6	15	1.4	-30 to +70	10	14X22X9
CCD04080518G	4.0-8.0	Full	0.5	18	1.3	-30 to +70	10	20X26X14
*CCD04080520G-XX	4.4-8.0	600	0.5	20	1.25	-40 to +75	10	12.7X12.7X6
*CCD04080423G-XX	4.4-8.0	300	0.4	23	1.20	-40 to +75	10	12.7X17X6
CCD06120618G	6.0-12.0	Full	0.6	18	1.35	-30 to +70	10	16X26X13
*CCD07180323G-XX	7.0-18.0	300	0.3	23	1.20	-40 to +75	10	12.7X17X8
*CCD07180420G-XX	7.0-18.0	1000	0.4	20	1.20	-40 to +75	10	12.7X17X8
CCD08120618G	8.0-12	Full	0.6	18	1.30	-30 to +70	10	8.9X15X7.8
*CCD08160423S-XX	8.0-16	800	0.4	23	1.25	-40 to +70	-	10X13.5X6.8
*CCD08180323G-XX	8.0-18	300	0.3	23	1.20	-40 to +75	10	8.9X12.5X7.8
*CCD08180420G-XX	8.0-18	1000	0.4	20	1.25	-40 to +75	10	8.9X12.5X7.8
*CCD08180423G-XX	8.0-18	300	0.4	23	1.20	-40 to +75	10	8.9X12.5X5.6
*CCD08180520G-XX	8.0-18	1000	0.5	20	1.25	-40 to +75	10	8.9X12.5X5.6
*CCD12200423S-XX	12-20	1200	0.4	23	1.25	-40 to +70	-	6X12.7X7.2

OTHER FREQUENCY BANDS ARE ALSO AVAILABLE.

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### ROUND BODY CIRCULATORS:

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insert.Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power (W)	Size LXWXH (mm)
*CCDU9U90322GR	0.902-0.908	Full	0.3	22	1.20	-30 to +70	100	Φ23.1
*CCD08100420GR	8.8-10.2	Full	0.4	20	1.20	-30 to +70	10	Φ6.35

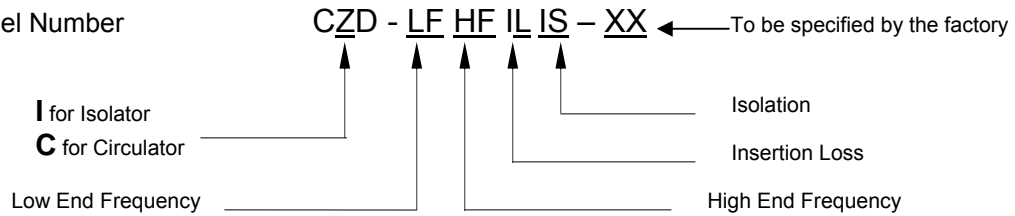
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## Drop-in Isolators and Circulators

### HOW TO ORDER CUSTOM PARTS:

Specify Model Number



**Example:** To order a 1.8-2.0 GHz isolator with 0.3 dB maximum insertion loss and 20 dB minimum isolation and, specify CID-01020320-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE

