

## Broadband Coaxial Isolators and Circulators

### FEATURES:

- ❖ Low Cost, High Quality
- ❖ Compact Size, Light Weight
- ❖ High Performance
- ❖ Wide Operation Temperature Range
- ❖ Octave and Multi-octave Bands

### APPLICATIONS:

- ❖ Load isolation
- ❖ Module integration



### COI & COC Series

### SPECIFICATIONS:

#### ISOLATORS:

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)	Connector Type
COI01020716G	1-2	full	0.7	16	1.40	0-+60	10	CH01	SMA
COI01020617G	1.35-2.7	full	0.6	17	1.35	0-+60	10	CH02	SMA
COI01020717G	1.5-2.5	full	0.7	17	1.30	-30-+70	10	CH03	SMA
COI02030520S	2-3	full	0.5	20	1.25	-40-+70	20	25X30X15	SMA/N
COI02040618G	2-4	full	0.6	18	1.40	-30-+70	10	CH04	SMA
COI02061215G	2-6	full	1.2	15	1.50	0-+60	10	CH05	SMA
COI02081512G	2-8	full	1.5	12	1.80	0-+60	10	CH05	SMA
COI03040520S	3-4.5	full	0.5	20	1.30	-40-+70	20	18X25X15	SMA/N
COI03060617G	3-6	full	0.6	17	1.40	-30-+70	10	CH06	SMA
COI03060618S	3-6	full	0.6	18	1.40	-40-+70	20	24X35X17.2	SMA
COI03070617G	3.5-7	full	0.6	17	1.40	-30-+70	10	CH07	SMA
COI04080618G	4-8	full	0.6	18	1.30	-30-+70	5	CH08	SMA
COI04080618S	4-8	full	0.6	18	1.40	-40-+70	20	16X23X14	SMA
COI05100618G	5-10	full	0.6	18	1.30	-30-+70	5	CH08	SMA
COI06120618G	6-12	full	0.6	18	1.40	-30-+70	5	CH09	SMA
COI06120618S	6-12	full	0.8	18	1.50	-40-+70	20	18X29X14	SMA
COI06181511G	6-18	full	1.5	11	1.80	-30-+70	5	CH10	SMA
COI08120520G	8-12	full	0.5	20	1.25	-30-+70	5	CH11	SMA



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COI08120520S	8-12.4	full	0.5	20	1.30	-40-+70	20	12X20X14	SMA
COI08180817G	8-18	full	0.8	17	1.40	-30-+70	5	CH12	SMA
COI08180816S	8-18	full	0.8	16	1.50	-40-+70	20	14X25.5X13	SMA
COI10150520G1	10-15	full	0.5	20	1.25	-30-+70	5	CH11	SMA
COI12180618G	12-18	full	0.6	18	1.40	-30-+70	20	12X20X13	SMA
COI12180620G	12-18	full	0.6	20	1.30	-30-+70	5	CH11	SMA
COI12180520S	12-18	full	0.5	20	1.30	-30-+70	10	12X20X14	SMA
COI18260720D	18-26.5	full	0.8	18	1.40	-20-+65	30	12.7X17.8X12.7	SMA
COI26400815D	26.5-40.0	full	1.0	14	1.50	-20-+65	30	12.7X17.8X12.7	K-F

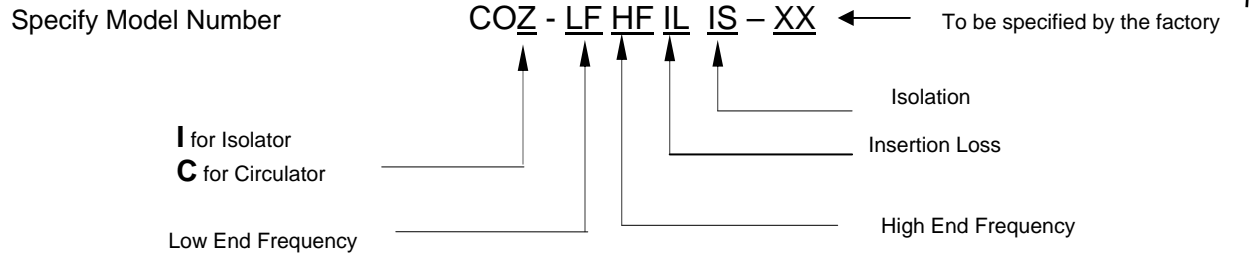
### CIRCULATORS:

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)	Connector Type
COC01020715G	1-2	full	0.7	15	1.40	0-+60	20	CH13	SMA
COC01020617G	1.35-2.7	full	0.6	17	1.35	0-+60	20	CH14	SMA
COC01020717G	1.50-2.5	full	0.7	17	1.35	-30-+70	20	CH15	SMA
COC02040616G	2-4	full	0.6	16	1.40	-30-+70	20	CH16	SMA
COC02060715D	2-6	full	0.8	14	1.50	-	20	40X41X17	SMA-F
COC02081510R	2-8	full	1.5	10	2.00	0-+50	20	41X40X17	SMA-F
COC03060616G	3-6	full	0.6	16	1.40	-30-+70	20	CH17	SMA
COC04080618G	4-8	full	0.6	18	1.30	-30-+70	10	CH18	SMA
COC05100618G	5-10	full	0.6	18	1.30	-30-+70	10	CH18	SMA
COC06120616G	6-12	full	0.6	16	1.40	-30-+70	10	CH19	SMA
COC06181511G	6-18	full	1.5	11	1.90	-30-+70	10	CH20	SMA
COC08120520G	8-12	full	0.5	20	1.25	-30-+70	10	CH21	SMA
COC08180816G	8-18	full	0.8	16	1.50	-30-+70	10	CH22	SMA
COC10150520G	10-15	full	0.5	20	1.25	-30-+70	10	CH21	SMA
COC12180618G	12-18	full	0.6	18	1.35	-30-+70	10	CH21	SMA

OTHER FREQUENCY BANDS ARE ALSO AVAILABLE.

## Broadband Coaxial Isolators and Circulators

### HOW TO ORDER CUSTOM PARTS:



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

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE

