

## 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
COIU9010520G1	0.96-1.22	full	0.5	20	1.25	-30+70	10	30X33X15	SMA
COIU9010520G2	0.96-1.22	full	0.5	20	1.25	-30+70	10	30X33X20	N
COIU9010520G3	0.98-1.14	full	0.5	20	1.25	-30+70	10	25X25X15	SMA
COI01020716G	1-2	full	0.7	16	1.40	-15+60	10	70X80X21	SMA/N
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	32X34X18	SMA/N
COI02061415G	2-6	full	1.4	15	1.50	-	10	60X42X19	-
COI02081512G	2-8	full	1.5	12	1.80	-30+70	10	60X42X19	SMA
COI02081515S	2-8	full	1.5	15	1.50	-40+70	20	60X37X20	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	25.4X34.5X13	SMA
COI03060618S	3-6	full	0.6	18	1.40	-40+70	20	24X35X17.2	SMA
COI04080618G	4-8	full	0.6	18	1.30	-30+70	10	25.4X31.4X12.7	SMA
COI04080618S	4-8	full	0.6	18	1.40	-40+70	20	16X23X14	SMA
COI06120618G	6-12	full	0.6	18	1.40	-40+75	10	16X26X13	SMA
COI06120618S	6-12	full	0.8	18	1.50	-40+70	20	18X29X14	SMA
COI06181512G	6-18	full	1.5	12	1.80	-40+75	10	19X27X13	SMA
COI08120520G	8-12	full	0.5	20	1.25	-30+70	10	15X23X13	SMA
COI08120520S	8-12.4	full	0.5	20	1.30	-40+70	20	12X20X14	SMA
COI08180817G	8-18	full	0.8	17	1.40	-40+75	10	15X23X13	SMA



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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	10	12X20X13	SMA
COI10150520G2	10-15	full	0.5	20	1.25	-30-+70	10	12X23X19	N
COI12180620G	12-18	full	0.6	20	1.30	-30-+70	10	12X20X13	SMA
COI12180520S	12-18	full	0.5	20	1.30	-30-+70	20	12X20X14	SMA
COI12200717G	12-20	full	0.7	17	1.40	-	10	12X20X13	-

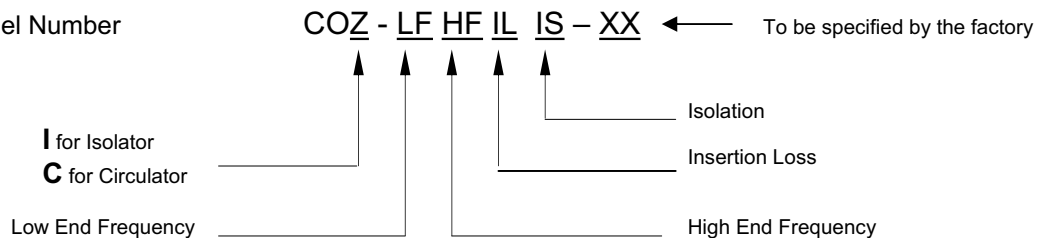
### CIRCULATORS:

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	-15-+60	30	70X80X21	SMA/N
COC02040616S	2-4	full	0.6	16	1.40	-30-+70	20	32X34X18	SMA/N
COC03060616G	3-6	full	0.6	16	1.40	-30-+70	20	25.4X27.5X13	SMA
COC04080618G	4-8	full	0.6	18	1.30	-30-+70	20	25.4X25.4X12.7	SMA
COC06120616G	6-12	full	0.6	16	1.40	-40-+75	20	16X21X13	SMA
COC06181512G	6-18	full	1.5	12	1.80	-40-+75	10	19X20X13	SMA
COC08120520G	8-12	full	0.5	20	1.25	-40-+75	10	15X19X13	SMA
COC08180816G	8-18	full	0.8	16	1.50	-40-+75	10	15X21X13	SMA
COC12180618G	12-18	full	0.6	18	1.35	-40-+75	10	15X19X13	SMA

OTHER FREQUENCY BANDS ARE ALSO AVAILABLE.

### HOW TO ORDER CUSTOM PARTS:

Specify Model Number



**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

