

## Low and Medium Power T-Type Waveguide Circulators

### FEATURES:

- ❖ Low Cost, High Quality
- ❖ Compact Size, Light Weight
- ❖ High Performance
- ❖ Wide Operation Temperature Range
- ❖ Common Wireless Communication Frequency Bands in 2 to 110 GHz range

### APPLICATIONS:

- ❖ Load isolation
- ❖ Receiver input VSWR
- ❖ Transmitter output VSWR
- ❖ Transceiver Diplexers



**CTC Series**

### SPECIFICATIONS:

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insert Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Size L (mm)	Flange Type
*CTC02030320J	2.60-3.40	400	0.3	20	1.20	-10~+55	124	FD-32
*CTC03040320J	3.70-4.20	400	0.3	20	1.20	-10~+55	110	FD-40
*CTC04050320J	4.70-5.80	400	0.3	20	1.20	-10~+55	100	FD-48
*CTC05060320J	5.50-6.50	600	0.3	20	1.20	-10~+55	90	FD-58
*CTC05070325J	5.90-7.80	400	0.3	25	1.13	-25~+55	70	FD-70/UER-70
*CTC05070320J	5.90-7.80	700	0.3	20	1.20	-25~+55	70	FD-70/UER-70
*CTC07080325J	7.70-8.50	300	0.3	25	1.13	-10~+55	60	FB-84
*CTC07080323J	7.70-8.50	600	0.3	23	1.15	-10~+55	60	FB-84
*CTC08120325J	8.20-12.40	300	0.3	25	1.13	-25~+55	47	FB-100
*CTC08120323J	8.20-12.40	500	0.3	23	1.15	-25~+55	47	FB-100
*CTC11130325J	11.00-13.00	500	0.3	25	1.13	-25~+55	38	FB-120
*CTC12180425J	12.40-18.00	400	0.4	25	1.13	-40~+85	38	-
*CTC13160423J	13.80-16.00	600	0.4	23	1.15	-40~+85	33	FB-140
*CTC18260520J	18.00-26.00	2500	0.5	20	1.25	-40~+85	25.4	FB-220
*CTC23300520J	23.00-30.00	3000	0.5	20	1.25	-40~+85	25	FB-260
*CTC26400520J	26.50-40.00	4000	0.5	20	1.25	-40~+85	20	FB-320

OTHER FREQUENCIES BANDS ARE ALSO AVAILABLE.

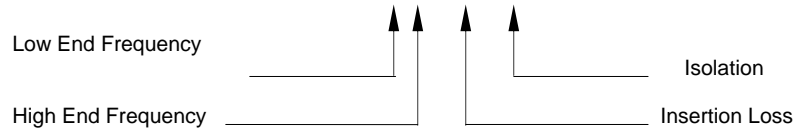
\*THE SPECIFICATIONS FOR THESE MODELS ARE ONLY FOR THE SPECIFIED FREQUENCY BW.



**HOW TO ORDER:**

Specify Model Number

CTC- LF HF IL IS - XX ← To be specified by the factory



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

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE

