

High-Power Waveguide Junction Circulators

FEATURES:

- ❖ Low Cost, High Quality
- ❖ Compact Size
- ❖ High Performance
- ❖ Wide Operation Temperature Range
- ❖ Common Wireless Communication Frequency Bands in 0.5-40 GHz range

APPLICATIONS:

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



CWC Series

DESCRIPTION:

Cernexwave's CWC series high power waveguide junction circulators covers the common wireless communication band in the frequency range of 0.5-40 GHz.

SPECIFICATIONS:

Model No.	Frequency Range (GHz)	Band Width (MHz)	Insert Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temp. Range (°C)	Power		Size L (mm)	Flange Type
							PK (KW)	AVG (W)		
CWCU8U90420J	0.89-0.94	50	0.4	20	1.25	-10~+55	-	30000	650	FDP-9
*CWC01010323J	1.15-1.70	150	0.3	23	1.2	-10~+55	400	4000	440	FDP-14
CWC02020420J	2.40-2.50	100	0.4	20	1.25	-10~+55	-	10000	200	FD-22
CWC02020420J	2.40-2.50	100	0.4	20	1.25	-10~+55	-	8000	180	FD-26
CWC02020318J	2.72-2.84	120	0.3	18	1.30	-10~+70	400	500	120	FD-32
*CWC02030225J	2.80-3.10	10	0.2	25	1.12	-10~+70	2600	3000	203	FAE-32
CWC05060420J	5.90-6.40	500	0.4	20	1.25	-10~+55	-	3000	90	-
*CWC07090420J	7.60-9.80	700	0.4	20	1.25	-10~+70	270	270	58	FB-84
CWC07080423G	7.8-8.4	full	0.4	23	1.25	-55~+85	350		60	WR112
*CWC08100420J	8.80-10.00	600	0.4	20	1.20	-10~+70	150	150	54	FB-100
CWC09090221G	9.4-9.8	full	0.25	21	1.20	-10~+70	150	150	60	WR90
*CWC14170422J	14.00-17.00	1000	0.4	22	1.20	-10~+70	90	90	42	FB-140
*CWC26400420J	26.50-40.00	1000	0.4	20	1.25	-10~+70	10	10	20	FB-320

OTHER FREQUENCIES ARE ALSO AVAILABLE.

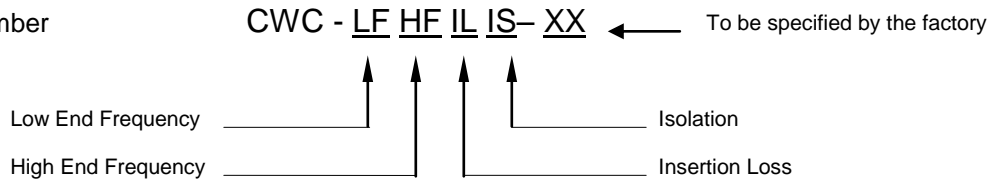
*THE SPECIFICATIONS FOR THESE MODELS ARE ONLY FOR THE SPECIFIED FREQUENCY BW.



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HOW TO ORDER:

Specify Model Number



Example: To order a 0.5-40 GHz isolator with 0.3 dB maximum insertion loss and 20 dB minimum isolation and, specify CWC-0102320-XX.

CERNEXWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE

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