



High-Power Waveguide Junction Circulators

FEATURES

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

APPLICATIONS

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



CWC Series

Cernexwave's **CWC** series Narrow Band High Power Circulators cover 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(°C)	Power		Size L (mm)	Flange Type
							Peak (kW)	Ave (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
*CWC37400220-XX	37.0-40.0	-	0.2	20	-	-20 to +70	-	20	30	WR28

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 when ordering. For units with specifications not listed, specify the model number using the following notation:

CWC+LF+HF+IL+IS-XX

where ***CWC*** = High Power Waveguide Junction Circulator

LF = Low Frequency Range

HF = High Frequency Range

IL = Insertion Loss

IS = Isolation

XX = To be specified by factory at time of order

Example: To order a 1.8-2.0 GHz circulator with 0.3 dB maximum insertion loss and 20 dB minimum isolation and, specify ***CWC01020320-XX***.