

RF Components

Circulator/Isolator

Waveguide Type

CW Series

FEATURES

- A wide selection of types are available, covering many of the frequency bands allocated to satellite communication and maritime radar.



ELECTRICAL CHARACTERISTICS

Part No.		Frequency range (GHz)	Isolation (dB)min.	Insertion loss(dB) max.	VSWR max. Zo=50Ω	Maximum handling power (W)	Dimensions (mm) L×W×T	Temperature range (°C)	Weight (g)	Waveguide (Flange)	
Circulator	Isolator										
3J321		2.9 to 3.1	20	0.3	1.2	100	167×140×84	−25 to +70	1400	WRJ-3	
CW200H*		A. 3.48 to 3.64 B. 3.7 to 4.2	20	0.3	1.2	15	111×90×62	−10 to +50	1000	WRJ-4 (BRJ-4)	
		AW610H*	A. B.	20	0.3	1.2	15	161×90×62	−10 to +50		1300
CW200J		5.8 to 6.2	20	0.2	1.2	15	90×80×50	−20 to +50	650	WRJ-6 (BRJ-6)	
CW200C5		A. 5.9 to 6.4 B. 6.4 to 7.2 C. 7.1 to 7.8 D. 7.7 to 8.3	25	0.2	1.12	10	76.5×83×50	−20 to +50	320	WRJ-7 R-70 (BRJ-7)	
		AW610C5	A. B. C. D.	25	0.2	1.12	10	96.5×83×50	−20 to +50		380
CW200N		A. 7.7 to 8.3 B. 8.1 to 8.5	25	0.2	1.12	10	59×70×48	−20 to +50	220	WRJ-9 (BRJ-9)	
		AW610N	A. B.	25	0.2	1.12	10	79×70×48	−20 to +50		320
CW200X3		A. 8.8 to 9.8 B. 9.9 to 11.3 C. 10.6 to 11.8	23	0.35	1.15	10	51×44×42	−20 to +50	200	WRJ-10 (BRJ-10)	
		AW610X3	A. B. C.	23	0.35	1.15	10	66×44×42	−20 to +50		230
CW211X6		9.3 to 9.5	20	0.4	1.2	25	50×50×50	−20 to +70	200	WRJ-10 (BRJ-10)	
CW200U		A. 9.9 to 11.3 B. 10.5 to 11.9 C. 11.3 to 12.7 D. 11.9 to 13.3 E. 12.2 to 13.6	23	0.35	1.15	10	51×44×38	−20 to +50	150	WRJ-120 (BRJ-120) R-120	
		AW610U	A. B. C. D. E.	23	0.35	1.15	10	67×44×38	−20 to +50		180
CW200U3		A. 10.5 to 11.9 B. 12.2 to 13.6	23	0.35	1.15	10	48×44×38	−20 to +50	110	WRJ-120 (BRJ-120)	
		AW610U3	A. B.	23	0.35	1.15	10	63×44×38	−20 to +50		140
		AW620U5-Z8 AW620U5-A4	14 to 14.5	20	0.2	1.2	5	25×44×38	−30 to +70	60	WRJ-120 (BRJ-120)
		AW620U6-Z8 AW620U6-A4	11.7 to 12.75	20	0.15	1.2	5	25×44×38	−30 to +70	60	
		AW620U7-Z8 ZW620U7-A4	10.7 to 11.75	20	0.2	1.2	5	25×44×38	−30 to +70	65	
CW200K		A. 12 to 14 B. 14.3 to 15.5	20	0.35	1.2	10	43×35×37.2	−20 to +50	120	WRJ-140 (BRJ-140) R-140	
		AW610K	A. B.	20	0.35	1.2	10	58×35×37.2	−20 to +50		140
CW200P4		17.7 to 21.2	20	0.4	1.2	5	40×40×35	−10 to +50	110	WRJ-180 (BRJ-180)	
		AW610P4	17.7 to 21.2	20	0.4	1.2	5	60×40×35	−10 to +50		160
CW200R2		A. 17.7 to 19.7 B. 21.2 to 23.6	20	0.3	1.2	5	29.2×25.4×22.4	−40 to +70	50	WRJ-220 (BRJ-220)	
		AW610R2	A. B.	20	0.3	1.2	5	39.2×25.4×22.4	−40 to +70		70

• Isolators are unidirectional because a non-reflecting terminal is provided at the end of every circulator.

In this case, the part No. is changed to AW610__.

* Circulator : CW200H Isolator : AW610H