

01 Low noise amplifier

Number	Frequency range (GHz)	Noise factor (dB)	Gain (dB)	Standing wave	P1dB (dBm)	Power consumption (V/mA)	Page number
CW-LN0108	1~8	1.4	23	2.3/2.2	16	5/73	6
CW-LN207305	2.7-3.5	0.55	29	1.3/1.3	11.5	5/31	9
CW-LN445	5-40	2.3	11	1.5/1.5	12	5/43	12
CW-LN369	24-40	2.5	20	2.5/2.0	1	5/35	16
CW-LN0711	8-9	0.8	25	-	14	5/32	19
CW-LN362	2~20	2.5	15	-	15	5/65	22

02 Drive/power amplifier

Number	Frequency range (GHz)	Psat (dBm)	P-1dB (dBm)	Gain (dB)	Standing wave	Power consumption (V/mA)	Page number
CW-DA451	5-20	20	18.5	23	1.3/1.5	5/105	26
CW-DA5618	6-20	19.5	18.5	17	1.3/1.5	5/85	30

03 Switch

Number	Type	Frequency Range	Insertion loss	Degree of isolation	P1dB (dBm)	Open state	Off state Standing	Control Level	Page number
CW-SW10020	SPST	DC-20	1.4	45	18	1.2	1.4	0/-5	35
CW-SW10040	SPST	DC-40	1.4	33	-	1.2	1.2	0/-5	38
CW-SW20004	SPDT	DC-4	0.5	48	27	1.4	-	0/-5	41
CW-SW20020	SPDT	DC-20	1.7	46	18	1.5	1.3	0/-5	44
CW-SW30018	SP3T	DC-18	1.7	40	20	1.3	-	0/-5	47
CW-SW200104	SPDT	0.1-4	0.7	40	25	1.5	-	0/+5	50
CW-SW0218A2	-	2-18	6.3	50	28	1.5	-	0/-5	53
CW-SW0218A4	-	2-18	6	45	18	-	-	0/-5	56
CW-SW30220	SP3T	2-20	3	38	16	1.8	-	TTL /-5	60
CW-SW40220	SP4T	2-20	3.4	39	-	1.7	-	TTL /-5	67
CW-SW60220-A011	SP6T	2-20	5	40	-	1.9	-	TTL /-5	76
CW-SW206305	SPDT	2.6-3.5	0.7	47	-	1.4	-	TTL/-5	80
CW-SW10020B	SPST	DC-20	1.5	50	-	-	-	0 /-5	83
CW-SW30020	-	DC-20	2.1	50	25	-	-	0/-5	86

04 Drive circuit

Number	Function	Output level (V)		Input current (mA)	Switching time (ns)	Page number
		Low	high level			
CW-FEN1	1 bit negative pressure	-5.1	-0.3	0.2	15	90
CW-FEN4	4 bit negative pressure	-5.1	-0.3	0.2	15	92
CW-FEN1A	1 bit negative pressure	-5	0	0.2	14	94
CW-FEN4A	4 bit negative pressure	-5	0	1	16-25	97
CW-FEN6A	6 bit FET drive	-5	0	-	16	99
CW-FEN6B	6 bit FET drive	-5	0	1	14-25	102
CW-FEN6	6 bit FET drive	-5	0	1	16-25	105

05 Mixer

Number	Frequency range RF&LO (GHz)	Intermediate frequency range (GHz)	Frequency conversion loss (dB)	LO-RF Degree of isolation (dB)	LO-IF Degree of isolation (dB)	RF-IF Degree of isolation (dB)	Local vibration power (dBm)	Page number
CW-MX787	3-10	DC-4	7	45	35	18	17	109
CW-MX141	6-18	DC-6	7	48	45	15	20	113
CW-MX142	6-18	DC-6	7	48	45	15	20	117
CW-MX773	6-26	DC-10	8	35	25	12	13	121
CW-MX553	7-14	DC-5	7	45	40	23	13	125
CW-MX292	18-32	DC-8	8	45	48	17	13	128
CW-MX560	21-40	DC-18	8	45	45	25	13	132

06 Frequency doubler

Number	Input signal frequency range (GHz)	Output signal frequency range (GHz)	Conversion gain (dB)	Fundamental isolation (dBc)	3/4 harmonic isolation (dBc)	Input power (dBm)	Page number
CW-MP0204	2-4	4-8	-14	45	45/35	15	136
CW-MP204	4-8	8-16	-14	45	45/35	15	138
CW-MP205	6-12	12-24	-13.5	35	35/28	15	140

07 Attenuator

Number	Frequency range (GHz)	Amount of attenuation (dB)	Standing wave	Page number
CW-AT40	DC-40	0/1/2/3...../30	1.3/1.3	143
CW-AT50	DC-50	0/1/2/3/4/5/6/7/8/9/10	1.4/1.4	161
CW-DAT425	2.4-8	0.5-31.5	1.4/1.3	168
CW-AT105S_1_2	DC~40	5	-	172
CW-DAT239NC	0.5~18	0.5~15.5	-	174
CW-AT40A-15	DC-40	15	1.2/1.2	177

08 Power divider

Number	Frequency range (GHz)	Insertion loss (dB)	Flatness of insertion loss (dB)	Standing wave	isolation (dB)	Page number
CW-PD0204V	2-4	0.5	±0.2	1.3/1.3	20	180
CW-PD0204VA	2-4	0.7	±0.2	1.2/1.2	25	183
CW-PD0218	2.0-18	0.7	±0.3	1.3/1.3	14	186
CW-PD0218V	2.0-18	1	±0.3	1.5/1.5	15	189
CW-PD0618	6-18	0.6	±0.15	1.5/1.3	17	192
CW-PD0618V	6-18	0.8	±0.4	1.3/1.4	20	195
CW-PD0812	8-12	0.4	±0.05	1.3/1.1	18	198
CW-PD1218V	12-18	0.5	±0.2	1.3/1.3	20	201
CW-PD1840	18-40	0.5	±0.1	1.4/1.4	11	204
CW-PD1840V	18-40	0.8	±0.2	1.2/1.4	22	207
CW-PD20P502	0.5-2	1.2	±0.3	-	20	210
CW-PD0118	1-18	1.4	±0.2	1.5/1.5	20	213
CW-PD0208	2-8	1	±0.2	-	18	215
CW-PD0218S	2-18	0.7	±0.3	-	20	218
CW-PD1218VA	12-18	0.4	-	1.3/1.3	20	220
CW-PD3040V	30-40	0.5	-	1.3/1.3	25	223
CW-PD30618	6-18	1.0	±0.3	2.0/1.4	16	226
CW-PD31018	10-18	0.6	±0.3	1.3/1.2	22	229
CW-PD31418	14-18	0.5	-	1.5/1.4	16	232
CW-PD32040	20-40	0.8	-	1.9/1.5	15	235

CW-PD43040	33-37	1.1	-	1.37/1.2	20	238
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09 Equalizer

Number	Frequency range (GHz)	Insertion loss (dB)	Equal measure (dB)	Standing wave	Page number
CW-AE00506	0.5-6.0	0.5/0.6/0.8/0.8/0.9/1.0	2/3/4/5/6/7	1.2/1.2	242
CW-AE0218	2.0-18	1.0/1.0/1.0/1.0/1.2/1.2	2/3/4/5/6/7	1.2/1.2	248
CW-AE0218-8	2.0-18	1.3	8	1.3/1.3	254
CW-AE0218-16	2.0-18	2.5	16	1.3/1.3	256
CW-AE0612	6.0-12	0.9	3	1.2/1.2	258
CW-AE0618	6.0-18	0.6/0.6/1.0/1.1/1.1/1.1	2/3/4/5/6/7	1.2/1.2	260
CW-AE1840	18-40	1.2/1.2/1.2/1.1/1.1/1.6	2/3/4/5/6/7	1.4/1.4	266
CW-AE0618-357	6.0-18	0.8	3/5/7	1.3/1.3	270
CW-AE0118-4	1.0-18	0.5	4	-	272
CW-AE0118-6	1.0-18	0.6	6	-	274

10 Limiter

(The products in this catalog are customized multifunctional chips, welcome users to customize products according to their own needs)

Number	Frequency range (GHz)	Insertion loss (dB)	Limiting level (dBm)	Input standing wave	Output standing wave	Page number
CW-LM0618	6-18	0.3	17	1.3	1.3	277
CW-LM1018	10-18	0.6	17	1.6	1.6	279

11 Field effect transistors

Numbering	Frequency range (GHz)	Saturation leakage current (mA)	transconductance (mS)	Gain dB	Noise factor dB	Page number
CW-FET13	2-18	30-50	72	12@12GHz	0.46	282
CW-FET45	2-18	40-60	90	13	0.5	284

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