



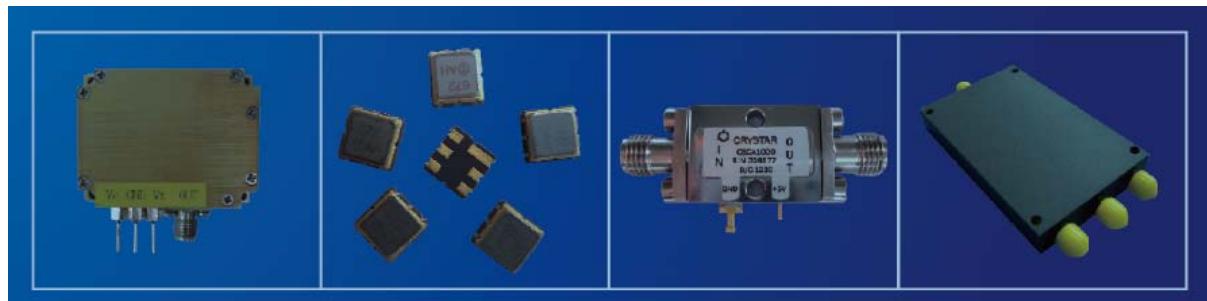
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OVEN CONTROLLED CRYSTAL OSCILLATOR

Model	Frequency f(MHz)	Frequency Stability Vs Temp.(ppm)	Phase Noise (fm=1KHz/100KHz) 10MHz Typ	SΦ(dBc/Hz)	Aging/year ppm(Max)	Output
OS8/OS14 Series (Low Power)	5-250	±0.005~0.1		-155/-165	0.05	S/T/H
OSM15 Series (SMD Low Power)	5-100	±0.005~0.1		-155/-165	0.05	S/T/H
OS20 Series	8-100	±0.0002~0.003		-155/-165	0.05	S/T/H
OS25/OSM25 Series(SMD)	8-100	±0.0002~0.003		-155/-165	0.05	S/T/H
OS30x Series	8-120	±0.0002~0.003		-155/-165	0.05	S/T/H
OS36/OS38x Series	5-100	±0.0001~0.002		-155/-165	0.03	S/T/H
DOS551 Series (Two-layer Constant Temp.)	5-100	±0.0001~0.002		-155/-165	0.02	S/T/H

TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR

Model	Frequency f(MHz)	Frequency Stability Vs Temp.(ppm)	Operation Temperature Max	Operation Voltage V	Output
TS5 Series (SMD)	10-20	±0.05~5	-55~+85°C	5/3.3	C
TS7 Series (SMD)	8-40	±0.05~5	-55~+85°C	5/3.3	C
TS8/TSM11Series (SMD)	8-40	±0.05~5	-55~+85°C	5/3.3	S/T/H/C
TS12/TS14/TS15 Series	10-200	±0.5~5	-55~+85°C	12/5/3.3	S/T/H/C
TSH36 Series(HF)	120-500	±0.5~5	-55~+85°C	12/5	S

MINIATURIZATION VCO

Model	Frequency MHz	Tuning Voltage V	Voltage Control Sensitivity MHz/V Typ	Output Power dBm Max	Harmonic Rejection dBc Max	Phase Noise @10/100KHz dBc/Hz Typ	Tuning Capacitor pF Typ	Power V/mA Typ	Size
CES880A	25-50	1-14	2-4	10±1.5	-10	-123/-143	1000	12/30	SM64D
CES880B	50-100	0.5-15	3-6	10±1.5	-10	-123/-143	1000	12/30	SM64D
CV320S	300-350	1-14	3-5	10±1.5	-10	-117/-137	100	12/70	SM64D
CES401B	300-600	1-19	10-30	13±1.5	-10	-105/-125	200	12/30	SM64D
CES711A	350-390	1-11	4-6	10	-10	-118/-138	200	5/60	SM64D
CES711B	390-440	1-11	6-9	10	-10	-117/-137	200	5/60	SM64D
CES402B	500-1000	1-19	20-40	13±1.5	-10	-105/-125	100	12/30	SM64D
CES711	535-635	1-15	7-10	13±1	-15	-100/-120	100	12/70	SM64D
CV620S	580-680	1-14	7-10	10±1.5	-10	-112/-133	100	12/70	SM64D
CES711C	610-660	1-11	5-9	10	-10	-114/-134	100	12/60	SM64D
CES405	1000-2000	1-20	40-100	10±1.5	-10	-98/-120	100	12/70	SM64D
CES831	1800-1950	1-14	15-25	10±1.5	-15	-95/-118	100	12/70	SM64D
CES406	2000-4000	1-20	60-250	10±1.5	-13	-85/-108	100	5/60	SM64D
CES714	2800-4200	1-20	100-55	10±15	-15	-84/-108	45	5/65	SM64D
CES715A	4000-4500	1-10	40-90	8±2	-20	-85/-110	45	5/60	SM64D
CES715B	4000-5000	1-15	60-110	8±2	-20	-85/-110	45	5/60	SM64D
CES102	4000-8000	1-20	100-400	11±1.5	-15	-77/-102	45	12/70	SM64D
CES715C	4200-5400	1-20	85-45	10±1.5	-15	-83/-107	45	5/65	SM64D
CES715D	4500-5000	1-10	40-90	8±2	-20	-85/-110	45	5/60	SM64D
CES715E	5000-5500	1-10	40-90	8±2	-20	-83/-108	45	5/60	SM64D
CES716	5000-6000	1-15	80-120	10±1.5	-15	-82/-105	45	12/70	SM64D
CES716A1	5500-6000	1-11	40-90	8±2	-20	-82/-106	45	5/60	SM64D
CES716A2	6100-6600	1-12	30-80	10±1.5	-15	-81/-105	45	12/65	SM64D
CES716A3	6600-7000	1-11	40-80	8±2	-20	-80/-104	45	5/60	SM64D
CES716A4	7000-7500	1-12	40-80	6±2	-20	-78/-103	45	5/60	SM64D
CES718	8000-9000	1-14	60-110	10±1.5	-20	-72/-97	45	12/70	SM64D

BROADBAND VCO

Model	Frequency MHz	Tuning Voltage V	Voltage Control Sensitivity MHz/V Typ	Output Power dBm Max	Harmonic Rejection dBc Max	Phase Noise @10/100KHz dBc/Hz Typ	Tuning Capacitor pF Typ	Power V/mA Typ	Size
CE880A	25-50	1-12	2-3	10±1.5	-10	-134/-154	1000	12/15	TO-8D
CE880AZ	40-80	1.5-15	3-5	13±1.5	-10	-125/-145	1000	12/30	TO-8D
CE880B	50-100	1-15	4-7	13±1.5	-10	-125/-145	1000	12/25	TO-8D
CE880BK	50-150	1-21	2-7	8±1.5	-10	-115/-137	1000	12/25	TO-8D
CE881	70-140	1-14	4-8	13±1.5	-12	-123/-143	1000	12/25	TO-8D
CE882	100-200	1-18	5-9	13±1.5	-10	-115/-135	300	12/30	TO-8D
CE882K	100-300	1-20	7-15	10±2	-10	-105/-125	300	12/60	TO-8D
CE882B	125-250	1-17	5-13	13±1.5	-10	-112/-132	300	12/30	TO-8D
CE883	150-300	1-19	7-11	13±1.5	-10	-109/-129	300	12/30	TO-8D
CE883-8C	150-300	1-18	7-11	13±1.5	-10	-109/-129	300	12/30	TO-8D
CE884	200-400	1-20	9-13	13±1.5	-10	-107/-126	300	12/30	TO-8D
CE884K	250-500	1-20	14-24	13±1.5	-10	-105/-125	300	12/30	TO-8D
CE401B	300-600	1-19	10-30	13±1.5	-10	-107/-127	180	12/30	TO-8D
CE401D	400-800	1-18	15-40	13±1.5	-10	-105/-125	150	12/30	TO-8D
CTMB125	400-800	1-18	15-40	13±1.5	-10	-105/-125	90	12/30	TO-8D
CE402B	500-1000	1-19	20-40	13±1.5	-10	-105/-125	90	12/30	TO-8D
CE402F	500-1000	0.8-20	22-35	13±1.5	-10	-104/-125	90	12/65	TO-8D
CE402C	600-1200	1-19	20-45	14±1.5	-10	-100/-121	90	12/30	TO-8D
CE483	700-1400	1-19	26-69	12±1.5	-10	-99/-119	90	12/65	TO-8D
CE403AN	800-1400	1-15	30-60	12±1.5	-10	-100/-121	90	12/70	TO-8D
CE403B	800-1500	1-19	35-65	14±1.5	-10	-100/-120	90	12/35	TO-8D
CE484	800-1600	1-19	26-70	12±1.5	-10	-98/-118	90	12/65	TO-8D
CTMB095	900-1600	1-18	30-70	12±1.5	-10	-98/-118	90	12/35	TO-8D
CE405W	900-1800	1-20	40-100	12±1.5	-10	-95/-115	90	12/65	TO-8D
CE405WK	900-2140	1-21	40-100	12±1.5	-10	-96/-117	90	12/70	TO-8D
CE015	1000-1700	1-18	30-60	13±1.5	-10	-96/-117	90	12/35	TO-8D

Model	Frequency MHz	Tuning Voltage V	Voltage Control Sensitivity MHz/V Typ	Output Power dBm Max	Harmonic Rejection dBc Max	Phase Noise @10/100KHz dBc/Hz Typ	Tuning Capacitor pF Typ	Power VmA Typ	Size
CE405	1000-2000	1-17	40-100	11±1.5	-10	-95/-115	90	12/65	TO-8D
CE405G	1000-2000	0.8-20	28-71	12.5±1.5	-10	-98/-120	90	15/70	TO-8D
CTMB089	1200-2000	2-18	40-100	13±1.5	-10	-95/-115	90	12/35	TO-8D
CE405Y	1200-2400	1-20	40-100	11±1	-10	-93/-115	90	12/65	TO-8D
CE405Z	1400-2800	1-20	40-110	12.5±1.5	-10	-91/-113	90	12/65	TO-8D
CE404B	1500-2000	1-17	20-50	12±1.5	-10	-96/-117	90	12/65	TO-8D
CE714A1	1500-2000	4-20	22-47	12±1.5	-15	-101/-122	90	12/55	TO-8D
CE404BG	1500-2500	1.5-16	40-100	12.5±1.5	-13	-90/-110	90	12/70	TO-8D
CE404BK	1500-3000	1-20	40-100	12.5±1.5	-13	-90/-110	90	12/70	TO-8D
CE404BL	1600-3200	1-19	40-160	12.5±1.5	-13	-89/-110	90	12/65	TO-8D
CE714A2	2000-2600	4-20	22-47	12±1.5	-15	-100/-122	90	12/55	TO-8D
CE486B	2000-3000	1-15	50-100	12.5±1.5	-15	-89/-110	45	12/30	TO-8D
CE129	2000-4000	1-20	60-230	11.5±1.5	-13	-85/-108	90	15/70	TO-8D
CE406	2000-4000	1-20	60-250	11.5±1.5	-13	-87/-110	90	12/65	TO-8D
CE406K	2220-4850	1-23	50-250	10.5±1.5	-13	-84/-108	90	5/65	TO-8D
CE406Y	2500-5000	1-20	60-270	10.5±1.5	-13	-81/-106	90	12/65	TO-8D
CE716B	3000-5500	0.5-14	130-300	11.5±1.5	-13	-80/-106	90	12/70	TO-8D
CE716C	3000-6000	1-18	90-300	11.5±1.5	-13	-80/-106	90	12/75	TO-8D
CE716D	3500-7000	1-19	80-330	10.5±1.5	-13	-77/-103	90	12/75	TO-8D
CE102K	4000-6000	0.3-5.5	320-460	11.5±1.5	-15	-78/-105	45	9/65	TO-8D
CE102L	4000-6000	1-14	120-230	11.5±1.5	-15	-80/-105	45	12/70	TO-8D
CE102	4000-8000	1-20	110-400	11.5±1.5	-13	-76/-102	45	12/75	TO-8D
CE716E	4500-9000	1-20	140-440	11.5±1.5	-15	-70/-97	45	12/75	TO-8D
CE102LA	5000-7000	1-14	140-300	11.5±1.5	-15	-71/-98	45	12/70	TO-8D
CE102LB	6000-8000	0.3-5.5	280-540	11.5±1.5	-15	-71/-96	45	9/65	TO-8D
CE102LC	6000-8000	1-14	110-270	11.5±1.5	-15	-72/-98	45	12/65	TO-8D
CE717K	6000-9000	1-14	140-310	11.5±1.5	-15	-71/-97	45	12/70	TO-8D
CE717KA	7000-9000	1-14	100-300	11.5±1.5	-15	-73/-98	45	12/70	TO-8D
CE718K	8000-10000	1-14	130-270	11.5±1.5	-15	-69/-94	45	12/70	TO-8D
CE718KA	8000-11000	0.5-20	60-300	10.5±1.5	-15	-67/-92	45	12/70	TO-8D
CDQ073	8000-12000	0.3-14.5	200-400	12.5±2.5	-15	-70/-96	45	12/300	47×25×11.2
CE718KB	9000-11000	1-15	60-230	10.5±1.5	-15	-69/-93	45	12/70	TO-8D
CDQ074	12000-18000	0.3-14.5	250-850	12.5±2.5	-15	-64/-92	45	12/300	56×25×11.2

PASSBAND CRYSTAL FILTER SERIES

Model	Freq. (MHz)	Passband Bandwidth (kHz)	I.L. (dB)	Group Delay Ripple (μs)	Rectangular Factor	Stopband Loss (dB)	Operation Temp. (°C)	Dimension (mm ³)
PCF3516A-70M	70	BW ₀ ≥38	≤4	≤23	BW ₄₀ /BW ₀ ≤2.5	≥60	-55~-+85	35×16×8.5
PCF3516B-70M	70	BW _{1,2} ≥70	≤4	≤10	BW ₄₀ /BW _{1,2} ≤2.5	≥60	-55~-+85	35×16×8.5
PCF3516C-70M	70	BW ₃ ≥10	≤5	/	BW ₄₀ /BW ₃ ≤4	≥60	-55~-+85	35×16×8.5
PCF3020A-70M	70	BW ₁ =100 ±10	≤4	Phase Deviation ≤±5°	BW ₄₀ /BW ₀ ≤2.5	≥70	-10~-+60	30×20×12 SMA
PCF4020-70M	70	BW ₃ ≥150	≤4	/	BW ₄₀ /BW ₀ ≤2.5	≥70	-10~-+60	40×20×9
PCF3020B-70M	70	BW ₀ ≥25	≤5	/	BW ₄₀ /BW ₀ ≤2	≥75	-45~-+70	30×20×13
PCF3020C-70M	70	BW ₂ ≥44	≤4	/	BW ₄₀ /BW ₂ ≤3.6	≥75	-45~-+70	30×20×13
PCF3020D-70M	70	BW ₃ ≥140	≤4	/	BW ₄₀ /BW ₃ ≤3	≥65	-55~-+85	30×20×13
PCF3116-75M	75	BW ₂ ≥4	≤3	/	/	≥40	-45~-+85	31×16×18
PCF4820-91.4M	91.4	BW ₀ ≥8	≤6.5	/	BW ₄₀ /BW ₀ ≤3	≥80	-55~-+85	48×20×12.5
PCF3020-100M	100	BW ₁ ≤10	≤4	/	/	≥70	-55~-+85	30×20×12 SMA
PCF3819-107.52M	107.52	BW ₃ ≥12	≤6	/	BW ₄₀ /BW ₃ ≤4	≥70	-45~-+85	38×19×12.5
PCF3616A-124.8M	124.8	BW ₃ ≥60	≤3	≤1	BW ₄₀ /BW ₃ ≤4	≥80	-40~-+70	36×16×12.5
PCF3616B-124.8M	124.8	BW ₃ ≥60	≤3	≤1	BW ₄₀ /BW ₃ ≤4.5	≥80	-40~-+70	36×16×12.5
PCF3616C-124.8M	124.8	BW ₃ ≥70	≤3	≤1	BW ₄₀ /BW ₃ ≤4.5	≥80	-40~-+70	36×16×12.5
PCF3616D-124.8M	124.8	BW ₃ ≥60	≤3	≤2	BW ₄₀ /BW ₃ ≤4.5	≥75	-40~-+70	36×16×12.5
PCF2515-124.8M	124.8	BW ₃ ≥60	≤3	≤1	BW ₄₀ /BW ₃ ≤4.5	≥60	-40~-+70	25×15×10
PCF3020-200M	200	BW ₁ ≥15	≤4	/	/	≥60	-55~-+85	30×20×12 SMA

STOPBAND CRYSTAL FILTER SERIES

Freq. (MHz)	Model	Suppressed Freq. Points (pcs.)	Stopband BW (kHz)	Passband BW ₁ (dB/MHz)	I.L. (dB)	Described Freq. Range Loss (dB)	Working Temp. (°C)	Package (mm ²)
10	SCF4028-10M	4	/	≥-0.037 +0.068	≤2.5	f ₀ +(101~103)kHz≥30 f ₀ *(91.6~93.6)kHz≥40 f ₀ *(85.2~87.2)kHz≥50 f ₀ +(78.3~80.3)kHz≥60	-20~+60	40×28×13
20.1	SCF2515-20.1M	1	BW ₄₀ ≥2	≥±5	≤2.5	f ₀ ±1kHz≥40	-10~+60	25×15×12.5
70	SCF4012-70M	1	BW ₄₀ ≥10	≥±10	≤2.5	f ₀ ±5kHz≥40	-40~+70	40.6×12.7×9.6
100	SCF4012-100M	1	BW ₄₀ ≥20	≥±10	≤2.5	f ₀ ±10kHz≥40	-40~+70	40.6×12.7×9.6
150	SCF4012-150M	1	BW ₃₅ ≥50	≥±18	≤2.5	f ₀ ±25kHz≥35	0~+60	40.6×12.7×9.6
220	SCF2515-220M	1	BW ₁₀ ≥10	≥±10	≤2.5	f ₀ ±5kHz≥15	-55~+85	25×15×10
250	SCF2515-250M	1	BW ₁₀ ≥10	≥±10	≤2.5	f ₀ ±5kHz≥15	-55~+85	25×15×10

Note:Passband Bandwidth with "-" and "+" means low-end and high-end of deviating centre frequency bandwidth.

SAW FILTER

P/N	Center Frequency (MHz)	Pass Band (MHz)	Insertion Loss (dB Max)	Package (mm)	Application
CB33SB	33.9	5	16	17.2x8.9	
CB33SD	33.9	5	15.5	13.7x4.9	Digital TV
CB35S	35.46	8.82	20	13.3x6.5x1.6	
CB36SA	36.125	7.8	31	16.3x4x3.5	Cable Modem
CB36SB	36.125	7.8	31	16.3x6.3x4.0	Cable Modem
CB36SF	36.17	7.9	23	13.7x4.8	
CB36SG	36.17	7.2	22.5	13.8x4.9	
CB70SA	70	3.0	8.2	13.3x6.5x1.8	
CB70SG	70	1.4	22	19x6.5x1.8	
CB70SH	70	1.1	20	19.0x6.5x1.8	
CB140SE	140	0.4	8	19x6.5x1.93	
CB140SF	140	6	12.5	13.3x6.5x1.8	
CB145SB	145	0.05	3.5	13.3x6.5x1.8	
CB159SB	159.6	4	28	35x12.8x9.2	
CB168SB	168	1	14	7.0x5.0x1.82	WLL
CB190SD	190	4.6	7	3.0x3.0x1.4	
CB210SA	210.38	1.0	10	5.0x5.0x1.65	Cellular phones
CB256SA	255	90	16	5.0x5.0x1.7	
CB280SB	280	18.50	10	5.0x5.0x1.15	WLAN
CB300SB	300	0.1	7	7.0x5.0x1.8	
CB374SA	374	17	10	3.8x3.8x1.4	WLAN
CB400SD	400	0.15	7.5	3.0x3.0x1.1	Cellular phones
CB480SB	480	3.9	10.3	TO-39	Satellite TV
CB533S	533.33	4.5	9	3.8x3.8x1.1	
CB600S	600	4.5	10	3.0x3.0x1.1	
CB829S	829.5	14.6	26	13.3x6.5x1.65	
CB950SB	950	7.7	23.7	14.8x5.8	

P/N	Center Frequency (MHz)	Pass Band (MHz)	Insertion Loss (dB Max)	Package (mm)	Application
CA139SA	139	8.0	6.5	5.0x5.0x1.7	Pager
CA155SB	155	8.0	6.5	5.0x5.0x1.65	Pager
CA163SA	163	8.0	6.5	5.0x5.0x1.7	Pager
CA220S	220	4	4.2	5.0x5.0x1.7	
CA315SE	315	0.6	2.5	3.0x3.0x1.3	
CA390S	390	1.1	4.0	5.0x5.0x1.7	Remote control
CA402SB	402	4	4.5	3.8x3.8x1.4	
CA416SA	416	20	4.2	3.8x3.8x1.4	
CA500SA	500	6	4.7	3.0x3.0x1.3	
CA611SB	611	7	5.0	7.0x5.0x2.0	
CA702S	702	20	2.2	3.0x3.0x1.3	
CA793SB	793	10	2.5	3.0x3.0x1.3	Cellular Phones
CA810SA	810	5	5	3.0x3.0x1.3	
CA960S	960	36	4	3.0x3.0x1.4	
CA1150SA	1150	16	5.0	3.0x3.0x1.1	WLAN
CA1220SD	1220	8.0	6.0	3.0x3.0x1.2	Cable Modem
CA1300SB	1300	8	4.5	3.0x3.0x1.4	
CA1484S	1484.3	40	5	3.0x3.0x1.4	
CA1575SV	1575.42	2	1.5	1.4x1.1x0.7	GPS
CA1642SA	1642.5	35	3.5	2.5x2.0x1.0	
CA1880SA	1880	60	4.0	3.0x3.0x1.4	Cellular Phones
CA2040SA	2040	60	5	3.0x3.0x1.1	
CA2245S	2245	60	6	3.0x3.0x1.4	
CA2330S	2330	60	3.2	3.0x3.0x1.4	
CA2535S	2535	70	3.6	3.0x3.0x1.4	
CA2592S	2592.5	27	4	3.0x3.0x1.4	
CA2665S	2665	70	3.6	3.0x3.0x1.4	

DIELECTRIC FILTER

2.3GHz WIMAX(WIBRO)FILTERS

Pass Band MHz	Insertion Loss			Attenuation		W×L×H mm	Features
	dB typ	dB max	dB typ	dB Min	@MHz		
2300-2400	0.7	TBD	60	50	2170	56×9.5×15	Low Loss & High Attenuation
			55	50	2530		
2300-2400	0.7	1.0	70	60	2166	22×5.6×5.8	Low Loss & High LO Rejection
			35	20	2768		
2300-2400	1.0	1.5	40	35	2166	9.0×5.6×3.2	Compact & High Attenuation
			30	25	2768		
2300-2400	0.9	1.5	25	20	2066	7.7×4.9×2.6	Compact & Low Cost
			15	10	2768		
2300-2700	0.7	1.0	35	40	4600-5400	2.5×2.0×1.0	Low Pass Filter
			40	TBD	6900-8100		

2.6GHz WIMAX FILTERS

Pass Band MHz	Insertion Loss			Attenuation		W×L×H mm	Features
	dB typ	dB max	dB typ	dB Min	@MHz		
2495-2690	0.7	TBD	58	50	2370	56×8.9×15	Low Loss & High Attenuation
			55	50	2820		
2495-2690	0.7	1.0	70	60	2222	22×5.2×5.8	Low Loss & High LO Rejection
			35	20	2963		
2495-2690	1.0	1.5	52	40	2222	9.0×5.2×3.2	Compact & High Attenuation
			33	25	2963		
2495-2690	0.9	1.5	30	20	2222	7.7×4.5×2.6	Compact & Low Cost
			15	10	2963		
2300-2700	0.7	1.0	35	40	4600-5400	2.5×2.0×1.0	Low Pass Filter
			40	TBD	6900-8100		

3.5GHz WIMAX FILTERS

Pass Band MHz	Insertion Loss			Attenuation			WxLxH mm	Features
	dB typ	dB max	dB typ	dB Min	@MHz			
3400-3600	0.7	1.0	67	60	3000	22x4.1x5.8		Low Loss & High LO Rejection
3400-3600	0.9	1.5	55	50	3127		9.0x4.0x3.2	Compact & High Attenuation
3400-3600	1.8	2.3	52	45	3100		7.7x4.2x2.3	Compact & High Attenuation
3400-3600	0.8	1.5	26	23	2700		7.7x3.0x2.6	Compact & Low Cost
3400-3800	0.7	1.0	45	40	6800-7600		2.5x2.0x1.0	
			42	40	10200-11400			Low Pass Filter

5GHz FILTER FOR WIMAX & WIRELESS BROADBAND

Pass Band MHz	Insertion Loss			Attenuation			WxLxH mm	Features
	dB typ	dB max	dB typ	dB Min	@MHz			
4705-5005	1.0	2.0	45	30	4000		9.0x4.0x3.5	Compact & High Attenuation
			42	35	5610			
5160-5340	1.5	2.0	56	35	2483		9.0x3.6x3.5	Compact & High Attenuation
			37	35	5480			
5150-5350	1.6	2.0	25	20	4970		4.2x3.0x1.8	Compact & Low Cost
			40	20	6050			
5470-5725	1.8	2.3	52	45	4925		7.3x3.7x2.3	Compact & High Attenuation
			50	40	6270			
5480-5720	1.5	2.0	70	35	2483		9.0x3.6x3.5	Compact & High Attenuation
			45	35	5340			
5470-5725	1.2	1.5	25	20	4925		7.7x2.6x2.6	Compact & Low Cost
			19	15	6270			
5275-5850	1.8	2.0	52	45	5094		7.3x3.7x2.3	Compact & High Attenuation
			50	40	6481			
5275-5850	1.2	1.5	26	25	5094		7.7x2.5x2.6	Compact & Low Cost
			13	10	6481			
5275-5875	2.1	3.4	34	30	5425		4.3x2.8x1.8	Compact & Low Cost
			19	15	6175			
4900-6100	0.7	1.0	46	40	9800-12200		2.5x2.0x1.0	
			36	35	14700-16300			Low Pass Filter

MECHANICAL FILTER TYPICAL PRODUCTS

Model	Centre Freq.	Passband Bandwidth	Passband Ripple	I.L.	Rectangular Factor	Stopband Loss
CSMF-06-B-1-0.04-45	1kHz	0.04±0.01kHz	≤1.0dB	≤8dB	$k_{40/3} \leq 6.0$	≥45dB
CSMF-03-B-1.2-0.20-50	1.2kHz	0.20±0.02kHz	≤1.0dB	≤8dB	$k_{40/3} \leq 3.0$	≥50dB
CSMF-03-B-5-1.00-60	5kHz	1.00±0.01kHz	≤1.0dB	≤4dB	$k_{40/3} \leq 3.0$	≥60dB
CSMF-05-C-8.5-0.035-50	8.5kHz	0.035±0.006kHz	≤1.0dB	≤4dB	$k_{40/3} \leq 3.0$	≥50dB
CSMF-03-B-10-0.10-60	10kHz	0.10±0.01kHz	≤1.5dB	≤4dB	$k_{40/3} \leq 3.0$	≥60dB
CSMF-02-B-17-0.21-50	17kHz	0.21±0.01kHz	≤1.5dB	≤2.5dB	$k_{40/3} \leq 3.0$	≥50dB
CSMF-04-C-21-0.20-50	21kHz	0.20±0.01kHz	≤1.5dB	≤3.0dB	$k_{40/3} \leq 3.0$	≥50dB
CSMF-03-D-28-0.40-50	28kHz	0.40±0.01kHz	≤1.5dB	≤2.5dB	$k_{40/3} \leq 3.0$	≥50dB
CSMF-04-D-32-4.00-50	32kHz	4.00±0.021kHz	≤1.0dB	≤3.0dB	$k_{40/3} \leq 6.0$	≥50dB
CSMF-04-D-48-0.20-45	48kHz	0.20±0.011kHz	≤1.5dB	≤5.0dB	$k_{40/3} \leq 5.0$	≥45dB
CSMF-06-B-85-1.5-60	85kHz	1.50±0.01kHz	≤1.5dB	≤6.0dB	$k_{40/3} \leq 4.0$	≥60dB
CSMF-04-A-100-0.5-50	100kHz	0.50±0.01kHz	≤0.5dB	≤3.0dB	$k_{40/3} \leq 5.0$	≥50dB
CSMF-06-A-128-3.0-50	128kHz	3.00±0.01kHz	≤1.5dB	≤3.0dB	$k_{40/3} \leq 2.0$	≥50dB
CSMF-01-D-188-4.5-60	188kHz	4.50±0.1kHz	≤1.5dB	≤3.0dB	$k_{40/3} \leq 2.5$	≥60dB
CSMF-01-D-208-4.5-60	208kHz	4.50±0.1kHz	≤1.5dB	≤3.0dB	$k_{40/3} \leq 2.5$	≥60dB
CSMF-01-D-235-4.2-60	235kHz	4.20±0.05kHz	≤1.5dB	≤3.0dB	$k_{40/3} \leq 2.5$	≥60dB
CSMF-04-D-300-0.45-50	300kHz	0.45±0.05kHz	≤1.0dB	≤6.0dB	$k_{40/3} \leq 5.0$	≥50dB
CSMF-01-C-520-7.0-60	520kHz	7.00±0.5kHz	≤1.0dB	≤3.0dB	$k_{40/3} \leq 2.0$	≥60dB