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## Quartz Crystal

Page	Series	Dimension(mm)	Frequency	PAD	Picture
1	TX9	1.2 x 1.0 x 0.3	32MHz-96MHz	4	
2	TX8	1.6 x 1.2 x 0.35	26MHz-66MHz	4	
3	TX1	2.0 x 1.6 x 0.5	20MHz-96MHz	4	
4	TX2	2.5 x 2.0 x 0.55	12MHz-54MHz	4	
5	TX3	3.2 x 2.5 x 0.7	8 MHz-104 MHz	4	
6	TX5	5.0 x 3.2 x 0.9	8 MHz-100MHz	4	
7	TX6	6.0 x 3.5 x 1.0	8MHz-80 MHz	4	
8	TX7	7.0 x 5.0 x 1.1	6 MHz-110 MHz	4	
9	TG5	5.0 x 3.2 x 1.2	8 MHz-80 MHz	2	
10	TG6	6.0 x 3.5 x 1.2	8 MHz-80 MHz	2	
11	TG7	7.0 x 5.0 x 1.4	6 MHz-80 MHz	2	
12	TG8	8.0 x 4.5 x 1.5	6 MHz-80 MHz	2	
13	W12	12.4 x 4.8 x 3.6	3.579MHz-27MHz	4	
14	WX6	HC-49S 11.05 x 4.7 x 3.68	3.2 MHz-100 MHz	2	
15	WX6	HC-49SS 11 x 4.7 x 2.0/2.5/3.0	3.2 MHz-100 MHz	2	
16	WX7	HC-49SMD 13.0 x 4.73 x 4.0	3.2 MHz-100 MHz	2	
17	WS7	HC-49SSMD 13 x 4.7 x 2.5/2.8/3.0	3.2 MHz-100 MHz	2	
18	WX7	Mini-49/S SMD 7.0 x 4.1 x 2.0	12MHz-32MHz	2	
19	WZ6	HC-49/S 3Pin 11.05 x 4.7 x 3.5	3.2 MHz-100 MHz	3	
20	WZ3	49SMD/3PIN 13*4.7*4.0	3.2 MHz-100 MHz	3	
21	WZ4	49SMD/4PIN 11.4 x 5.1 x 4.9/3.8	3.2 MHz-100 MHz	4	
22	WZ5	49SMD/4PAD 13 x 4.9 x 5.0	3.2 MHz-100 MHz	4	
23	WM1	UM-1:7.8x3.2x7.8 UM-5:7.8x3.2x6.0	4 MHz-200 MHz	2	
24	WX5	HC-49U/HC-49T: 11 x 5 x 13.5/11.0	1.8MHz-150 MHz	2	
25	WZ1	HC-51U 11.0 x 11.0 x 5.0	850KHz-5MHz	2	
26	WA2	φ2 x 6	4MHz-50 MHz	2	
27	WA3	φ3 x 8	4MHz-50 MHz	2	

## Tuning fork Crystal

Page	Series	Dimension(mm)	Frequency	PAD	Picture
28	TS7	1.2 x 1.0 x 0.5	32.768KHz	2	
29	TS8	1.6 x 1.0 x 0.5	32.768KHz	2	
30	TS9	2.0 x 1.2 x 0.6	32.768KHz	2	
31	WX1	3.2 x 1.5 x 0.8	32.768KHz	2	
32	WX3	3.8 x 8.0 x 2.5	30KHz-350KHz	4	
33	WX4	6.9 x 1.4 x 1.3	32.768KHz	4	
34	WA1	φ1.2 x 4.5	32.768KHz	2	
35	WX2	φ2 x 6	30 KHz-350 KHz	2	
36	WT8	φ3 x 8	30 KHz-350 KHz	2	
37	WA4	φ2 x 6/SMD	32.768KHz	2	
38	WX8	φ2 x 6 /SMD	30 KHz-350 KHz	2	

## Crystal Filter

Page	Series	Dimension(mm)	Frequency	PAD	Picture
39	WF1	UM-1:7.8x3.2x7.8 UM-5:7.8x3.2x6.0	10MHz-45MHz	2/4	
40	WF2	HC-49U/HC-49T: 11 x 5 x 13.5/11.0	7.8MHz-60MHz	2/4	

Page	Series	Dimension(mm)	Frequency	PAD	Picture
41	WF3	11 x 8.5 to 18 x 12	7.8MHz-60MHz	4	
42	WF4	45 x 21 x 15 52 x 47 x 21	0.18MHz-2MHz	4	
43	WF5	30 x 20 to 45 x 21	7.8MHz-70MHz	4	
44	WF6	30 x 20 to 60 x 25	7.8MHz-60MHz	4	
45	WF7	7.0 x 5.0 x 1.3	21.4MHz/45MHz	6	

## Crystal Oscillator(CMOS)

Page	Series	Dimension(mm)	Frequency	PAD	Picture
46	TK2	2.5 x 2.0 x 0.81	32.768KHz	4	
47	TK3	3.2 x 2.5 x 0.95	32.768KHz	4	
48	TK4	2.5 x 2.0 x 0.81	32.768KHz	4	
49	TK5	3.2 x 2.5 x 0.95	32.768KHz	4	
50	TC1	2.05 x 1.65 x 0.75	1.5MHz-50MHz	4	
51	TC2	2.5 x 2.0 x 0.81	32.7KHz-125MHz	4	
52	TC3	3.2 x 2.5 x 0.95	32.7KHz-125MHz	4	
53	TC5	5.0 x 3.2 x 1.2	13.7KHz-160MHz	4	
54	TC7	7.0 x 5.0 x 1.3	13.7KHz-166MHz	4	
55	TU2	2.5 x 2.0 x 0.81	1MHz-50MHz	4	
56	TU3	3.2 x 2.5 x 0.95	1MHz-50MHz	4	
57	TW2	2.5 x 2.0 x 0.81	1.25MHz-100MHz	4	
58	TW3	3.2 x 2.5 x 0.95	1.25MHz-100MHz	4	
59	TN2	2.5 x 2.0 x 0.81	20MHz-60MHz	4	
60	TN3	3.2 x 2.5 x 0.95	20MHz-60MHz	4	
61	LO1	20.4 x 12.8 x 5	0.25MHz-180MHz	4	
62	LO2	12.8 x 12.8 x 5	0.25MHz-180MHz	4	

## FASTXO Crystal Oscillator(CMOS)

Page	Series	Dimension(mm)	Frequency	PAD	Picture
63	TB1	2.05 x 1.65 x 0.75	1MHz-200MHz	4	
64	TB2	2.5 x 2.0 x 0.81	1MHz-200MHz	4	
65	TB3	3.2 x 2.5 x 0.95	1MHz-200MHz	4	
66	TB5	5.0 x 3.2 x 1.2	1MHz-200MHz	4	
67	TB7	7.0 x 5.0 x 1.3	1MHz-200MHz	4	
68	TL2	3.2 x 2.5 x 0.90	10MHz-250MHz	6	
69	TL4	5.0 x 3.2 x 1.2	10MHz-250MHz	6	
70	TL6	7.0 x 5.0 x 1.45	10MHz-250MHz	6	

## Crystal Oscillator(LVPECL/LVDS/HCSL/CML)

Page	Series	Dimension(mm)	Frequency	PAD	Picture
71	TL3	3.2 x 2.5 x 0.90	10MHz-1500MHz	6	
72	TL5	5.0 x 3.2 x 1.2	10MHz-1500MHz	6	
73	TL7	7.0 x 5.0 x 1.45	10MHz-1500MHz	6	
74	TP3	3.2 x 2.5 x 0.90	10MHz-250MHz	6	
75	TP5	5.0 x 3.2 x 1.2	10MHz-320MHz	6	
76	TP7	7.0 x 5.0 x 1.45	10MHz-320MHz	6	
77	TN7	7.0 x 5.0 x 1.45	70MHz-170MHz	6	
78	TS7	7.0 x 5.0 x 1.45	25MHz-75MHz	6	

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## VCXO

Page	Series	Dimension(mm)	Frequency	PAD	Picture
79	PV3	3.2 x 2.5 x 0.9	10MHz-250MHz	6	
80	PV5	5.0 x 3.2 x 1.25	10MHz-250MHz	6	
81	PV7	7.0 x 5.0 x 1.75	10MHz-250MHz	6	
82	PL3	3.2 x 2.5 x 0.9	10MHz-1500MHz	6	
83	PL5	5.0 x 3.2 x 1.25	10MHz-1500MHz	6	
84	PL7	7.0 x 5.0 x 1.75	10MHz-1500MHz	6	
85	CL5	5.0 x 3.2 x 1.25	30MHz-250MHz	6	
86	CL7	7.0 x 5.0 x 1.75	1.5MHz-200MHz	6	
87	CV5	5.0 x 3.2 x 1.25	1.5 MHz-170 MHz	6	
88	CV7	7.0 x 5.0 x 1.75	1.5 MHz-170 MHz	6	
89	CV8	14.2 x 9.3 x 5.4	30MHz-250MHz	6	
90	LV1	Full Size/Half Size	1 MHz-80 MHz	4	
91	LV2	13.9 x 9.1 x 3.6	50MHz-125MHz	4	

## TCXO/VCTCXO

Page	Series	Dimension(mm)	Frequency	PAD	Picture
92	VC1	2.0 x 1.6 x 0.7	10MHz-52MHz	6	
93	VC2	2.5 x 2.0 x 0.7	10MHz-52MHz	4	
94	VC3	3.2 x 2.5 x 0.9	10MHz-52MHz	4	
95	VC5	5.0 x 3.2 x 1.1	10MHz-52MHz	4	
96	VC7	7.0 x 5.0 x 1.9	5MHz-52MHz	4	
97	VC8	14.3 x 8.7 x 4.9	5MHz-40MHz	6	
98	VP3	3.2 x 2.5 x 1.6	10MHz-1500MHz	6	
99	VW5	5.0 x 3.2 x 1.55	10MHz-52MHz	4	
100	VA7	7.0 x 5.0 x 1.9	5MHz-52MHz	4	
101	VS7	7.0 x 5.0 x 1.9	5MHz-52MHz	4	
102	VT7	7.0 x 5.0 x 1.9	10MHz-52MHz	4	
103	VF2	20.4 x 12.8 x 7.8	10MHz-52MHz	4	
104	WT1	18.5x12 to 91x56	1MHz-1500MHz	4/5	

## OCXO

Page	Series	Dimension(mm)	Frequency	PAD	Picture
105	OC9	9.7 x 7.5 x 4.1	10 MHz-40 MHz	4	
106	OC8	14.3 x 9.3 x 6.5	5 MHz-40 MHz	6	
107	OCH	20.3 x 12.7 x 11.0	5 MHz-40 MHz	4	
108	OCW	20.6 x 20.6 x 11.0	5 MHz-40 MHz	5	
109	OSD	25.4 x 22.1 x 11.0	5 MHz-40 MHz	7	
110	OLH	25.4 x 25.4 x 12.7	5 MHz-40 MHz	5	
111	OCN	25.4 x 25.4 x 12.7	5 MHz-40 MHz	5	
112	OSH	36.3 x 27.2 x 12.7	5 MHz-40 MHz	5	
113	OCD	36.3 x 27.2 x 18.7	5 MHz-40 MHz	5	

## Dielectric Antenna

Page	Series	Dimension(mm)	Frequency	PAD	Picture
114	DA1	10 x 10 to 35 x 35	1568/1575/1590 MHz	-	
115	DA2	8 x 8 to 25 x 25	1568/1575/1590 MHz	-	
116	DA3	12 x 12 to 25 x 25	BDS-B1/GPS-L1	-	
117	DA4	43 x 37 x 13.6 61 x 61 x 18	BDS-B1/GPS-L1	-	
118	DA5	φ6 X 5 to 30 x 30	915MHz/5810MHz	-	

## SAW Resonator

Page	Series	Dimension(mm)	Frequency	PAD	Picture
119	SR1	2.0 x 1.6 x 1.0	154MHz-1000MHz	4	
120	SR2	3.2 x 2.5 x 1.0	154MHz-1000MHz	4	
121	SR3	3.0 x 3.0 x 1.25	154MHz-1000MHz	6	
122	SR4	3.8 x 3.8 x 1.5	154MHz-1000MHz	6	
123	SR5	5.0 x 5.0 x 1.5	154MHz-1000MHz	8	
124	SR6	5.0 x 3.5 x 1.4	154MHz-1000MHz	4	
125	SR7	D11 8.4 x 3.5 x 2.9	154MHz-1000MHz	3	
126	SR8	F11 11.0 x 4.5 x 3.2	154MHz-1000MHz	4	
127	SR9	TO39 φ9.15 x 3.15	154MHz-1000MHz	3	

## SAW FILTER

Page	Series	Dimension(mm)	Frequency	PAD	Picture
128	SF0	1.1 x 0.9 x 0.5	800-2605MHz	5	
129	SF1	1.4 x 1.1 x 0.6	800-2605MHz	5	
130	SF2	2.0 x 1.5 x 0.6	800-2605MHz	4	
131	SF3	3.0 x 3.0 x 1.25	300-2605MHz	6	
132	SF4	3.8 x 3.8 x 1.5	100-1000MHz	6	
133	SF5	5.0 x 5.0 x 1.5	100-1000MHz	8	
134	SF7	D11 8.4 x 3.5 x 2.9	100-1000MHz	3	
135	SF8	F11 11.0 x 4.5 x 3.2	100-1000MHz	4	
136	SF9	TO39 φ9.15 x 3.15	100-1000MHz	3	
137	SW1	36 x 16 x 5.5	70MHz	6	
138	SW2	34.8 x 12.6 x 5.5	70MHz-140MHz	6	
139	SW3	27.2 x 12.6 x 7.0	70MHz-140MHz	6	
140	SW4	22.5 x 17.5 x 7.5	70MHz	8	
141	SW5	22.1 x 12.6 x 5.0	50MHz-150MHz	6	
142	SW6	19.50 x 6.50 x 1.75	70MHz	10	
143	SW7	14.5 x 10.0 x 5.1	140MHz	6	
144	SW8	13.30 x 6.5 x 1.8	50MHz-150MHz	12	
145	SW9	12.0 x 7.2 x 4.2	100MHz-1000MHz	4	

## Ceramic Resonator & Filter & Discriminator

Page	Series	Dimension(mm)	Frequency	PAD	Picture
146	ZTA	6.0 x 5.5 to 10 x 7.5	1.79MHz-60MHz	2	
147	ZAD	2.2 x 1.8 to 7.4 x 3.4	2MHz-60MHz	2	
148	ZTT	6.0 x 5.5 to 10 x 7.5	1.79MHz-60MHz	3	
149	ZTD	2.2 x 1.8 to 7.4 x 3.4	2MHz-60MHz	3	
150	ZTB	5.2 x 6.8 to 13.5 x 14.7	150KHz-1.5MHz	2	
151	ZBD	6.0 x 5.0 x 2.3 8.5 x 7.5 x 3.3	430KHz-1.25MHz	2	
152	CD1	DIP 6.0 x 6.3 x 3.0 SMD 6.0 x 6.2 x 3.1	455KHz	2	
153	CD2	DIP 9.0 x 7.0 x 4.0 SMD 3.7 x 3.1 x 1.4	10.7MHz	2	
154	CF1	8.0 x 8.0 x 7.0 11.0 x 8.0 x 7.0	455KHz	3/5	
155	CF2	6.5 x 6.3 x 6.5 9.5 x 6.3 x 6.5	455KHz	4/5	
156	CF3	6.5 x 6.0 x 4.0 6.5 x 11.9 x 3.0	450KHz-455KHz	3/4	
157	CF4	7.0*7.0*4.0	10.7MHz	3	
158	CF5	7.0 x 3.0 x 1.5 3.5 x 3.1 x 1.4	10.7MHz	3/4	