

THRU HOLE CRYSTAL

FREQ		AVAILABLE IN PKGS	ESR	FREQ		AVAILABLE IN PKGS	ESR	FREQ		AVAILABLE IN PKGS	ESR
K: KHz	M: MHz			K: KHz	M: MHz			K: KHz	M: MHz		
16	K			F38X	60K			4.194304	M		
18.641	K	F38X	60K	4.38	M	F39	150	17.865	M	F39	50
20	K	F38X	60K	4.40625	M	FUM1	150	17.935	M	F39	50
20.48	K	F38X	50K	4.433619	M	F494U,F39	150	18	M	F494U,F493U	50
22	K	F38X	50K	4.71855	M	F39	150	18.432	M	F494U,F493U	50
24	K	F38X, F26X (40K)	50K	4.787961	M	F39	150	18.75	M	F39	50
24.576	K	F38X	50K	4.8833	M	F494U	150	18.867	M	F494U,F493U	50
25	K	F38X	50K	4.9137	M	F39	150	18.8696	M	F494U	50
25.3	K	F38X	50K	4.9152	M	F494U	150	18.87	M	F494U,F493U	50
25.6	K	F38X, F26X (40K)	50K	5	M	FUM1	150	19.4468	M	F494U,F493U	50
26	K	F38X	50K	5.003	M	FUM1	150	19.6362	M	FUM1	30
26.3	K	F38X	50K	5.0688	M	F494U	150	19.6608	M	F494U,F493U,F26AB	60
26.304	K	F38X	50K	5.12	M	FUM1	150	19.68	M	F494U,F493U	50
27	K	F38X	50K	5.567	M	F39	120	20	M	FUM1	30
28	K	F38X	50K	5.66928	M	F494U	120	20	M	F494U,F493U,F39	40
29.6	K	F38X	50K	5.997	M	FUM1	150	20	M	F26AB	60
30	K	F38X	40K	6	M	FUM1,F494U,F39	120	20.3	M	F494U,F493U	40
30.72	K	F38X	40K	6.0003	M	FUM1	120	20.5	M	F494U,F493U	40
31.2	K	F26X	40K	6.144	M	FUM1,F494U,F39	120	20.7	M	F494U,F493U	40
31.25	K	F38X, F26X	40K	6.25	M	F494U	100	20.736	M	F26AB	60
31.468	K	F38X	40K	6.4	M	FUM1	120	20.945	M	F26AB	30
31.5	K	F38X, F26X	40K	6.5	M	F494U	100	21.48	M	FUM1	30
32	K	F38X, F26X	40K	6.51	M	F39	100	21.855	M	FUM1	30
32.325	K	F38X	35K	6.553	M	FUM1	120	22	M	FUM1	30
32.768	K	F38S, F26S, F145S	35K	6.57	M	F39	100	22.06896	M	FUM1	30
32.857	K	F38X	35K	6.78	M	F39	100	22.1184	M	FUM1,F494U,F493U	40
33.75	K	F38X	35K	6.781867	M	F39	100	22.248	M	FUM1	30
34.68	K	F38X	35K	7	M	F494U	80	22.5	M	FUM1	30
35	K	F38X	35K	7.15909	M	F39	80	23.04	M	F494U,F493U	40
37.449	K	F38X	35K	7.25	M	F39	80	23.4	M	F494U,F493U	40
37.813	K	F38X	35K	7.3728	M	F39,F494U	80	23.52	M	F494U,F493U	40
38	K	F38X	35K	7.8643	M	F39,F494U	80	24	M	FUM1	30
38.4	K	F38X (25K), F26X (40K)	35K	8	M	FUM1,F494U,F39	80	24	M	F494U,F493U	40
39.768	K	F38X	35K	8.192	M	FUM1,F494U	80	24	M	F26AB	60
40	K	F38X, F26X (30K)	35K	9.0905	M	F494U	60	24.00014	M	F494U,F493U,FUM1	40
40.68	K	F38X	35K	9.216	M	FUM1,F494U	60	24.01	M	F494U,F493U	40
40.96	K	F38X	35K	9.31906	M	F494U	60	24.08	M	F494U,F493U	40
42	K	F38X	35K	9.6	M	FUM1,F494U	60	24.3	M	F494U,F493U	40
43	K	F38X	35K	9.756	M	F494U	60	24.576	M	F26AB	60
44	K	F38X	35K	9.8275	M	FUM1	60	25	M	F26AB	60
45	K	F38X	35K	9.83	M	F39	60	25	M	FUM1	30
46.08	K	F38X	35K	9.8304	M	F494U	60	25	M	F494U,F493U	40
49	K	F38X	35K	10	M	FUM1,F494U,F493U,F39	60	25.3122	M	F494U,F493U	40
49.71	K	F38X	30K	10.0046	M	FUM1	60	26	M	F26AB	60
50	K	F38X,F26X (30K)	35K	10.005	M	FUM1	60	26.15	M	FUM1 3OT	40

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54	K			F38X	30K			10.05	M		
56.8	K	F38X	30K	10.215	M	F39	60	26.88	M	F494U,F493U BT-FUND	40
59.789	K	F26X	30K	10.245	M	FUM1,F494U	60	26.995	M	FUM1 3OT	60
60	K	F38X,F26X (30K)	35K	10.7028	M	FUM1	60	27.01	M	FUM1 3OT	60
60.004	K	F26X	30K	10.73	M	FUM1,F494U,F493U	60	27.055	M	FUM1 3OT	60
65.536	K	F38X,F26X (30K)	35K	11	M	F494U,F493U,F39	60	28	M	F494U,F493U BT-FUND	40
70	K	F38X	35K	11.0592	M	FUM1,F493U,F39,F26AB	60	29	M	F494U,F493U BT-FUND	40
75	K	F38X,F26X (30K)	35K	11.06	M	F494U,F493U	60	29.345	M	FUM1 3OT	60
76.8	K	F26X	30K	11.080608	M	F494U,F493U	60	29.4912	M	F26AB FUND	60
77.282	K	F38X	35K	11.52	M	F494U,F493U	60	29.5	M	FUM1 3OT	60
77.287	K	F26X	30K	11.6736	M	F494U,F493U	60	30	M	F494U,F493U BT-FUND	40
77.5	K	F38X	35K	11.7	M	F39	60	30	M	F26AB FUND	60
77.503	K	F26X	30K	11.9808	M	F494U,F493U	60	30	M	FUM1 3OT	60
81.92	K	F38X	35K	11.98135	M	FUM1,F494U,F493U	60	30.865	M	FUM1 3OT	60
86	K	F38X	35K	12	M	FUM1,F494U,F493U,F39	60	31.334	M	F26AB FUND	60
96	K	F38X,F26X (30K)	35K	12	M	F26AB	80	32	M	F26AB FUND	60
96.006	K	F26X	30K	12.096	M	F494U,F493U,F39	60	32	M	F494U,F493U BT-FUND	40
99.66	K	F26X	30K	12.288	M	FUM1,F494U,F493U	60	32	M	FUM1 3OT	60
100	K	F38X,F26X (30K)	35K	12.288	M	F26AB	80	32.256	M	F26AB FUND	60
102.4	K	F38X	35K	12.352	M	FUM1	60	32.424	M	FUM1 3OT	60
112.64	K	F38X	35K	12.5	M	F39	60	32.7852	M	FUM1 3OT	60
120	K	F38X	35K	12.8	M	FUM1,F494U,F493U	60	32.2512	M	F26AB 3OT	100
120.8475	K	F26X	20K	13.1072	M	FUM1	60	36	M	F26AB 3OT	100
130	K	F26X	20K	13.5	M	FUM1	60	36	M	FUM1 3OT	60
131.072	K	F38,F26X (20K)	35K	14	M	F494U	50	36	M	F494U,F493U BT-FUND	40
144	K	F145X	10K	14.31808	M	FUM1,F494U,F493U	60	37	M	FUM1 3OT	60
149	K	F145X	10K	14.31808	M	F26AB	80	38.4	M	FUM1 3OT	60
150	K	F38X	35K	14.4	M	F494	50	40	M	FUM1 3OT	60
153.6	K	F26X	20K	14.7456	M	FUM1,F494U	30	40	M	F26AB 3OT	100
200	K	F145X	5K	14.7456	M	F26AB	80	40	M	F494U,F493U BT-FUND	40
910	K	F145X	3K	15	M	FUM1,F494U,F493U	50	40.21	M	FUM1 3OT	60
920	K	F145X	3K	15	M	F26AB	80	45.1584	M	FUM1 3OT	60
1	M	F145X	3K	15.1354	M	FUM1	30	48	M	F26AB 3OT	100
1	M	FUM1 SL-CUT	5K	15.2064	M	F26AB	80	49.4317	M	FUM1 3OT	60
1.008	M	FUM1 SL-CUT	5K	15.36	M	FUM1,F494U,F493U	50	50.34833	M	FUM1 3OT	60
1.008	M	F145X	3K	15.435	M	FUM1	30	50.372	M	FUM1 3OT	60
1.043576	M	FUM1 SL-CUT	5K	15.5	M	F494U,F493U	50	54.295	M	FUM1 3OT	60
1.08	M	FUM1 SL-CUT	5K	15.625	M	F39	50	54.4664	M	FUM1 3OT	60
1.2	M	FUM1 SL-CUT	5K	15.728	M	F494U,F4993U,F39	50	57.6	M	FUM1 3OT	60
3	M	F145X SL-CUT	3K	16	M	FUM1,F494U,F493U,F39	50	57.7416	M	FUM1 3OT	60
3.2768	M	F494U	300	16	M	F26AB	80	57.767	M	FUM1 3OT	60
3.579545	M	FUM1,F494U,F39	200	16.1472	M	F494U,F493U	50	66.6625	M	FUM1 3OT	60
3.648	M	F494U,F39	200	16.257	M	F494U,F493U	50	66.667	M	F26AB 3OT	100
3.6864	M	F494U	200	16.384	M	FUM1,F494U,F493U	50	69.187	M	FUM1 3OT	60
3.84	M	F494U	200	16.6333	M	FUM1	30	70.4	M	FUM1 3OT	60
3.93216	M	F494U,F39	200	16.648258	M	F494U,F493U	50	80	M	FUM1 50T	80

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FREQ		AVAILABLE IN PKGS	ESR	FREQ		AVAILABLE IN PKGS	ESR	FREQ		AVAILABLE IN PKGS	ESR
K: KHz				K: KHz				K: KHz			
M: MHz				M: MHz				M: MHz			
4	M	FUM1,F494U,F39	180	16.8	M	F494U,F493U	50	81.92	M	FUM1 50T	80
4.032	M	F494U	150	16.9344	M	F39	50	92.94	M	FUM1 50T	80
4.0809	M	F494U	150	17.1	M	F494U,F493U	50	100	M	FUM1 50T	80
4.088	M	F494U	150	17.445	M	F39	50	110	M	FUM1 50T	80
4.096	M	F494U	150	17.734475	M	FUM1	30	120	M	FUM1 50T	80