

Products		Dimensions (mm)			Applications					Frequency Range (MHz)					Conditions of Use				RoHS** Compliant			
Product Type	Part Number	L	W	T	Digital Electronics OA, PC Peripherals Amusement	Car Electronics ITS Car Audio Car Navigation	Car Electronics (ECU, Air Bag, ABS, TPMS etc.)	Mobile Comm. Wireless LAN Dedicated Short Range Comm. (DSRC)	Industrial Use (Broadcast, Medical, Base Station etc.)	1	10	50	100	300 to 800	Manual	Reflow	Flow	Washable				
Ceramic Resonators	PBRC-G	7.4	3.4	2.0 max	○						2	-----	8		Yes	Yes	No	Yes	Yes			
	PBRC-H	7.4	3.4	2.0 max	○						2	-----	20		Yes	Yes	No	Yes	Yes			
	PBRC-M	4.5	2.0	1.2 max	○						4	-----	20		Yes	Yes	No	Yes	Yes			
	PRQC	3.2	1.3	1.0 max	○						8	-----	20		Yes	Yes	No	Yes	Yes			
	PBRV-H	7.4	3.4	2.0 max	○		○				4	-----	20		Yes	Yes	No	Yes	Yes			
	PBRV-M	4.5	2.0	1.2 max	○		○				4	-----	20		Yes	Yes	No	Yes	Yes			
SAW Resonator	PRQV	3.2	1.3	1.0 max	○						8	-----	20		Yes	Yes	No	Yes	Yes			
	PARM	3.0	3.0	1.5 max	○	○		○	○					315	----	434	Yes	Yes	No	Yes	Yes	
	PARS	5.5	3.8	1.5 max	○	○		○	○					315	----	434	Yes	Yes	No	Yes	Yes	
	PARV-A	5.5	3.8	1.5 max	○									315	----	434	Yes	Yes	No	Yes	Yes	
kHz Range Crystal Devices	PARV-B	3.0	3.0	1.5 max	○		○							315	----	434	Yes	Yes	No	Yes	Yes	
	ST2008SB (Tuning Fork)	2.0	0.8	0.60 max	○			○			32.768kHz				Yes	Yes	No	TBA	Yes			
	ST2012SB (Tuning Fork)	2.0	1.2	0.60 max	○			○			32.768kHz				Yes	Yes	No	TBA	Yes			
	ST3215SB (Tuning Fork)	3.2	1.5	0.90 max	○			○	○		32.768kHz				Yes	Yes	No	TBA	Yes			
Crystal Units	KC3215A (Clock Oscillator)	3.2	1.5	1.0 max	○	○		○	○		32.768kHz				TBA	Yes	No	No	Yes			
	CT2520DB	2.5	2.0	1.0 max	○			○			16	-----	60		Yes	Yes	No	Yes	Yes			
	CX1612SB	1.6	1.2	0.3	○			○			30	-----	60		Yes	Yes	No	Yes	Yes			
	CX2016DB/ SB	2.0	1.6	0.4/ 0.45	○			○			18	-----	60		Yes	Yes	No	Yes	Yes			
	CX2520DB/ SB	2.5	2.0	0.45/ 0.5	○			○			13.56	-----	60		Yes	Yes	No	Yes	Yes			
	CX3225GA	3.2	2.5	0.85	○		○				9.8	-----	54		Yes	Yes	No	Yes	Yes			
	CX3225CA	3.2	2.5	0.8	○		○				9.8	-----	54		Yes	Yes	No	Yes	Yes			
	CX3225GB	3.2	2.5	0.8	○		○				9.8	-----	54		Yes	Yes	No	Yes	Yes			
	CX3225SA	3.2	2.5	0.75	○		○				8	-----	54		Yes	Yes	No	Yes	Yes			
	CX3225SB	3.2	2.5	0.55	○		○				12	-----	54		Yes	Yes	No	Yes	Yes			
	CX5032SA	4.9	3.1	0.85	○		○				8	-----	40		Yes	Yes	No	Yes	Yes			
	CX5032SB (CX-96F)	4.9	3.1	0.7	○		○				9.8	-----	80		Yes	Yes	No	Yes	Yes			
	CX5032GA (CX-53G)	5.0	3.2	1.3	○		○				8	-----	40		Yes	Yes	No	Yes	Yes			
	CX5032GB (CX-53F)	5.0	3.2	1.0	○		○				7.3728	-----	54		Yes	Yes	No	Yes	Yes			
	CX8045GA	8.0	4.5	1.8	○		○				4	-----	30		Yes	Yes	No	Yes	Yes			
	CX8045JA (CX-17F)	8.0	4.5	1.9	○		○				4	-----	30		Yes	Yes	No	Yes	Yes			
	CX8045GB (CX-8045G)	8.0	4.5	1.8	○		○				4	-----	48		Yes	Yes	No	Yes	Yes			
	CX1255GA (CX-5FW)	11.8	5.5	2.5	○		○				3.5	-----	20		Yes	Yes	No	Yes	Yes			
	CX1255CA	11.8	5.5	1.8	○		○				3.5	-----	20		Yes	Yes	No	Yes	Yes			
	CX1255GB (CX-5FD)	11.8	5.5	1.8	○		○				3.5	-----	28.999		Yes	Yes	No	Yes	Yes			
	Oscillators	KC2016B-C1	2.0	1.6	0.55	○			○			1.5	-----	50		Yes	Yes	No	Yes	Yes		
		KC2520B-C1	2.5	2.0	0.7	○			○			1.5	-----	80		Yes	Yes	No	Yes	Yes		
		KC2520C-C1/ C2	2.5	2.0	0.7	○			○			1.5	-----	54		Yes	Yes	No	Yes	Yes		
		KC2520A-C1/ C2/ C3	2.5	2.0	0.8	○			○			1.5	-----	50		Yes	Yes	No	Yes	Yes		
		KC2520B-C2	2.5	2.0	0.7	○			○			1.5	-----	50		Yes	Yes	No	Yes	Yes		
		KC3225A-C2/ C3 (K25-2C/ 3C)	3.2	2.5	0.89	○			○			1.5	-----	125		Yes	Yes	No	Yes	Yes		
		KC5032A-C1	5.0	3.2	1.2	○			○			1.789	-----	40		Yes	Yes	No	Yes	Yes		
		KC5032C-C1 (K30-1C)	5.0	3.2	1.0	○			○			1.8	-----	39.99		Yes	Yes	No	Yes	Yes		
		KC5032C-C2 (K30-2C)	5.0	3.2	1.0	○			○			1.8	-----	125		Yes	Yes	No	Yes	Yes		
		KC5032C-C3 (K30-3C)	5.0	3.2	1.0	○			○			1.8	-----	170		Yes	Yes	No	Yes	Yes		
		KC5032C-C3 (K30-3C Heavy Load Type)	5.0	3.2	1.0	○			○			1.8	-----	14	----	30	Yes	Yes	No	Yes	Yes	
		KC5032C-C5 (K30-HC)	5.0	3.2	1.0	○			○			1.8	-----	50		Yes	Yes	No	Yes	Yes		
		KC5032D (FXO-61F2)	5.0	3.2	1.0	○			○			1.8	-----	50		Yes	Yes	No	No	Yes		
		KC5032D (FXO-64F2)	5.0	3.2	1.0	○			○			1.8	-----	32		Yes	Yes	No	No	Yes		
KC5032E-C3		5.0	3.2	1.1	○			○			1.8	-----	14	----	166	Yes	Yes	No	Yes	Yes		
KC7050A-C1 (K53-1C)		7.0	5.0	1.6	○			○			1.8	-----	39.99		Yes	Yes	No	Yes	Yes			
KC7050A-C2 (K53-2C)		7.0	5.0	1.6	○			○			1.8	-----	125		Yes	Yes	No	Yes	Yes			
KC7050A-C3 (K53-3C)		7.0	5.0	1.6	○			○			1.8	-----	170		Yes	Yes	No	Yes	Yes			
KC7050A-C5 (K53-HC)		7.0	5.0	1.6	○			○			1.8	-----	50		Yes	Yes	No	Yes	Yes			
KC7050B (FXO-31F)		7.0	5.0	1.8	○			○			1.8	-----	50		Yes	Yes	No	No	Yes			
KC7050B (FXO-34F)		7.0	5.0	1.8	○			○			1.8	-----	50		Yes	Yes	No	No	Yes			
KC7050B (FXO-37FNB)		7.0	5.0	1.8	○			○			1.8	-----	32		Yes	Yes	No	No	Yes			
KC7050H-C3 (K50H-3C)		7.0	5.0	1.6	○			○			1.8	-----	80	-----	170	Yes	Yes	No	Yes	Yes		
KC7050C-C3 (K50-3C)		7.0	5.0	1.6	○			○			1.5	-----	80		Yes	Yes	No	Yes	Yes			
KC7050C-C5 (K50-HC)		7.0	5.0	1.6	○			○			1.5	-----	68		Yes	Yes	No	Yes	Yes			
KC7050S-C1 (FSO-2B)		7.0	5.0	2.0 max	○			○						100	----	167	Yes	Yes	No	Yes*	Yes	
KC7050S-C2 (FSO-2C)		7.0	5.0	2.0 max	○			○						100	----	200	Yes	Yes	No	Yes*	Yes	
KC7050S-C3 (FSO-2D)		7.0	5.0	2.0 max	○			○						100	----	200	Yes	Yes	No	Yes*	Yes	
KC5032P-P2/ P3		5.0	3.2	1.1	○			○						50	-----	190	Yes	Yes	No	Yes	Yes	
KC7050P-P2/ P3		7.0	5.0	1.6	○			○						50	-----	190	Yes	Yes	No	Yes	Yes	
KC7050R-P3		7.0	5.0	1.6	○			○						10	-----	800	Yes	Yes	No	Yes	Yes	
KC7050G-P3		7.0	5.0	1.6	○			○						10	-----	800	Yes	Yes	No	Yes	Yes	
KC7050Y-P2/ P3		7.0	5.0	1.1	○			○						75	-----	700	Yes	Yes	No	Yes*	Yes	
KC7050T-P2/ P3		7.0	5.0	1.1	○			○						125	-----	700	Yes	Yes	No	Yes*	Yes	
KC7050S-P2/ P3 (FSO-1C, FSO-1D)		7.0	5.0	2.0 max	○			○						50	-----	700	Yes	Yes	No	Yes*	Yes	
KC5032P-L2/ L3		5.0	3.2	1.1	○			○						50	-----	190	Yes	Yes	No	Yes	Yes	
KC7050P-L2/ L3		7.0	5.0	1.6	○			○						50	-----	190	Yes	Yes	No	Yes	Yes	
KC7050Y-L2/ L3		7.0	5.0	1.1	○			○						75	-----	700	Yes	Yes	No	Yes*	Yes	
KC7050T-L2/ L3		7.0	5.0	1.1	○			○						125	-----	700	Yes	Yes	No	Yes*	Yes	
KC7050S-L2/ L3		7.0	5.0	2.0 max	○			○						50	-----	700	Yes	Yes	No	Yes*	Yes	
KV5032C-C3		5.0	3.2	1.0	○			○						1.5	-----	80	Yes	Yes	No	Yes	Yes	
KV7050A (VC-FXO-35F)		7.0	5.0	1.8	○			○						8	-----	30	Yes	Yes	No	No	Yes	
KV7050B-C3		7.0	5.0	1.6	○			○						1.5	-----	170	Yes	Yes	No	Yes	Yes	
KV7050C-P3		7.0	5.0	1.6	○			○							70	-----	165	Yes	Yes	No	Yes	Yes
KV7050R-P3		7.0	5.0	1.6	○			○						10	-----							