



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 900	Solder			Washable			
															Manual	Reflow	Flow				
kHz Range Crystal Devices	ST1610SB (Tuning Fork Units)	1.60	1.00	0.50 max	○			○			32.768kHz					Yes	Yes	No	TBA	Yes	
	ST2012SB (Tuning Fork Units)	2.0	1.2	0.60 max	○			○			32.768kHz					Yes	Yes	No	TBA	Yes	
	ST3215SB (Tuning Fork Units)	3.2	1.5	0.90 max	○	○		○	○		32.768kHz					Yes	Yes	No	TBA	Yes	
	KC2520B-CM(Divided Down AT Cut Crystal Oscillators)	2.5	2.0	0.7 max	○	○		○	○		32.768kHz					Yes	Yes	No	Yes	Yes	
	KC2520M-CM(Divided Down AT Cut Crystal Oscillators)	2.5	2.0	0.7 max	○	○		○	○		32.768kHz					Yes	Yes	No	Yes	Yes	
	KC3215A (Clock Oscillator)	3.2	1.5	1.0 max	○	○		○	○		32.768kHz					TBA	Yes	No	No	Yes	
	KT3225T (DTCXO)	3.2	2.5	1.0 max	○	○		○	○		32.768kHz					TBA	Yes	No	No	Yes	
	KR3225Y (Real Time Clock Module)	3.2	2.5	1.0 max	○	○		○	○		32.768kHz					TBA	Yes	No	No	Yes	
Crystal Units	CT2016DB	2.0	1.6	1.0 max				○			16-----60					Yes	Yes	No	Yes	Yes	
	CT2520DB	2.5	2.0	1.0 max				○			16-----60					Yes	Yes	No	Yes	Yes	
	CX1612DB (for Consumer Products)	1.6	1.2	0.40 max	○			○			26-----60					Yes	Yes	No	Yes	Yes	
	CX1612DB (for Mobile Communications)	1.6	1.2	0.33 max				○			37.4-----60					Yes	Yes	No	Yes	Yes	
	CX2016DB	2.0	1.6	0.4	○	○		○			16-----60					Yes	Yes	No	Yes	Yes	
	CX2520DB	2.5	2.0	0.5	○	○		○			12-----54					Yes	Yes	No	Yes	Yes	
	CX3225GA	3.2	2.5	0.85		○	○				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	4.9	3.1	0.7	○	○		○			9.8-----80					Yes	Yes	No	Yes	Yes	
	CX5032GA	5.0	3.2	1.3			○				8-----40					Yes	Yes	No	Yes	Yes	
	CX5032GB	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	8.0	4.5	1.9			○				4-----30					Yes	Yes	No	Yes	Yes	
	CX8045GB	8.0	4.5	1.8	○	○					4-----48					Yes	Yes	No	Yes	Yes	
	CX1255CA	11.8	5.5	1.8			○				3.5-----20					Yes	Yes	No	Yes	Yes	
	CX1255GB	11.8	5.5	1.8	○	○					3.5-----29					Yes	Yes	No	Yes	Yes	
	Oscillators	KC2016K	2.0	1.6	0.8max	○	○		○	○		1.5-----80					No	Yes	TBA	Yes	Yes
		KC2520K	2.5	2.0	0.8max	○	○		○	○		1.5-----80					No	Yes	TBA	Yes	Yes
		KC3225K	3.2	2.5	0.8max	○	○		○	○		1.5-----80					No	Yes	TBA	Yes	Yes
		KC5032K	5.0	3.2	1.3max	○	○		○	○		1.5-----80					No	Yes	TBA	Yes	Yes
		KC7050K	7.0	5.0	1.3max	○	○		○	○		1.5-----80					No	Yes	TBA	Yes	Yes
		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-----125					Yes	Yes	No	Yes	Yes
		KC2520B-C2	2.5	2.0	0.7	○	○		○	○		125--160					Yes	Yes	No	Yes	Yes
		KC2520C-C1/ C2	2.5	2.0	0.7	○	○		○	○		1.5-----54					Yes	Yes	No	Yes	Yes
		KC2520M-C1	2.5	2.0	0.7	○	○		○	○		1.5-----60					Yes	Yes	No	Yes	Yes
		KC3225A-C1/ C2/ C3	3.2	2.5	0.89	○	○		○	○		1.5-----125					Yes	Yes	No	Yes	Yes
		KC5032A-CM	5.0	3.2	1.0	○	○		○	○		1.5-----50					Yes	Yes	No	Yes	Yes
KC5032A-C1		5.0	3.2	1.0	○	○		○	○		50-----135					Yes	Yes	No	Yes	Yes	
KC5032A-C2		5.0	3.2	1.0	○	○		○	○		135--170					Yes	Yes	No	Yes	Yes	
KC5032A-C5		5.0	3.2	1.0	○	○		○	○		1.5-----60					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	○	○				○	14-----166					Yes	Yes	No	Yes	Yes	
KC7050A-C1		7.0	5.0	1.6	○	○		○	○		1.8-----39.99					Yes	Yes	No	Yes	Yes	
KC7050A-C2		7.0	5.0	1.6	○	○		○	○		1.8-----125					Yes	Yes	No	Yes	Yes	
KC7050A-C3		7.0	5.0	1.6	○	○		○	○		1.8-----170					Yes	Yes	No	Yes	Yes	
KC7050A-C5		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-----32					Yes	Yes	No	No	Yes	
KC7050B(FXO-37FNB)		7.0	5.0	1.8						○	80					Yes	Yes	No	No	Yes	
KC7050S-C1		7.0	5.0	2.0 max	○			○	○		100-----170					Yes	Yes	No	Yes*	Yes	
KC7050S-C2		7.0	5.0	2.0 max	○			○	○		100-----220					Yes	Yes	No	Yes*	Yes	
KC7050S-C3		7.0	5.0	2.0 max	○			○	○		100-----220					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	
KC5032R		5.0	3.2	1.0	○	○		○	○		10-----900					Yes	Yes	No	Yes	Yes	
KC5032G		5.0	3.2	1.0	○	○		○	○		10-----900					Yes	Yes	No	Yes	Yes	
KC5032F		5.0	3.2	1.0	○	○		○	○		10-----900					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	○			○	○		150-----600					Yes	Yes	No	Yes*	Yes	
KC7050S-P2/ P3		7.0	5.0	2.0 max	○																