



Products		Dimensions (mm)			Applications					Frequency Range (MHz)				Conditions of Use				RoHS* Compliant		
Product Type	Part Number	L	W	T (max.)	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	Manual	Reflow	Flow					
kHz Range Crystal Devices	ST2012SB (Tuning Fork Units)	2.0	1.2	0.6											Yes	Yes	No	TBA	Yes	
	ST3215SB (Tuning Fork Units)	3.2	1.5	0.9											Yes	Yes	No	TBA	Yes	
	KC2520B (Divided Down AT Cut Crystal Oscillators)	2.5	2.0	0.7											Yes	Yes	No	Yes	Yes	
	KC2520M (Divided Down AT Cut Crystal Oscillators)	2.5	2.0	0.7											Yes	Yes	No	Yes	Yes	
	KC3215A (Clock Oscillator)	3.2	1.5	1.0											TBA	Yes	No	No	Yes	
	KT3225T (DTCXO)	3.2	2.5	1.0											TBA	Yes	No	No	Yes	
	KR3225Y (Real Time Clock Module)	3.2	2.5	1.0											TBA	Yes	No	No	Yes	
Crystal Units	CT1612DB	1.6	1.2	0.65							38.4-----76.8				Yes	Yes	No	Yes	Yes	
	CT2016DB (Low Profile)	2.0	1.6	0.65							19.2-----60				Yes	Yes	No	Yes	Yes	
	CT2016DB	2.0	1.6	1.0							19.2-----60				Yes	Yes	No	Yes	Yes	
	CT2520DB	2.5	2.0	1.0							16-----60				Yes	Yes	No	Yes	Yes	
	CX1008SB	1.0	0.8	0.30								37.4	80		Yes	Yes	No	Yes	Yes	
	CX1210DB	1.2	1.0	0.30								37.4-----80			Yes	Yes	No	Yes	Yes	
	CX1210SB	1.2	1.0	0.35								27.12 32			Yes	Yes	No	Yes	Yes	
	CX1612DB (for Consumer Products)	1.6	1.2	0.40								26-----60			Yes	Yes	No	Yes	Yes	
	CX1612DB (Mobile Communication)	1.6	1.2	0.33								37.4-----60			Yes	Yes	No	Yes	Yes	
	CX2016DB	2.0	1.6	0.45								16-----60			Yes	Yes	No	Yes	Yes	
	CX2016GR (for Automotive)	2.0	1.6	0.8								16-----60			Yes	Yes	No	Yes	Yes	
	CX2016SA (for Automotive)	2.0	1.6	0.5								16-----60			Yes	Yes	No	Yes	Yes	
	CX2520DB	2.5	2.0	0.55								12-----54			Yes	Yes	No	Yes	Yes	
	CX3225GA	3.2	2.5	0.95								8-----54			Yes	Yes	No	Yes	Yes	
	CX3225CA	3.2	2.5	0.9								12-----54			Yes	Yes	No	Yes	Yes	
	CX3225GB	3.2	2.5	0.9								12-----54			Yes	Yes	No	Yes	Yes	
	CX3225SA	3.2	2.5	0.8								8-----54			Yes	Yes	No	Yes	Yes	
	CX3225SB (for GPS)	3.2	2.5	0.6								19.2 26			Yes	Yes	No	Yes	Yes	
	CX3225SB (for Consumer Products, Mobile Communication)	3.2	2.5	0.6								12-----54			Yes	Yes	No	Yes	Yes	
	CX3225SB (for Automotive)	3.2	2.5	0.6								12-----54			Yes	Yes	No	Yes	Yes	
	CX5032SA	4.9	3.1	1.0								8-----40			Yes	Yes	No	Yes	Yes	
	CX5032SB	4.9	3.1	0.8								9.8-----80			Yes	Yes	No	Yes	Yes	
	CX5032GA (for Consumer Products)	5.0	3.2	1.5								8-----40			Yes	Yes	No	Yes	Yes	
	CX5032GA (for Automotive)	5.0	3.2	1.5								8-----40			Yes	Yes	No	Yes	Yes	
	CX8045GA (for Consumer Products)	8.0	4.5	2.0								4-----8			Yes	Yes	No	Yes	Yes	
	CX8045GA (for Automotive)	8.0	4.5	2.0								4-----8			Yes	Yes	No	Yes	Yes	
	Oscillators	KC2016K	2.0	1.6	0.8							1.5-----160				No	Yes	No	Yes	Yes
		KC2520K	2.5	2.0	0.8							1.5-----160				No	Yes	No	Yes	Yes
		KC3225K	3.2	2.5	0.8							1.5-----160				No	Yes	No	Yes	Yes
		KC5032K	5.0	3.2	1.3							1.5-----160				No	Yes	No	Yes	Yes
		KC7050K	7.0	5.0	1.3							1.5-----160				No	Yes	No	Yes	Yes
		MC2016K	2.0	1.6	0.8							1.5-----160				No	Yes	No	Yes	Yes
		MC2520K	2.5	2.0	0.8							1.5-----160				No	Yes	No	Yes	Yes
		MC3225K	3.2	2.5	0.8							1.5-----160				No	Yes	No	Yes	Yes
MC5032K		5.0	3.2	1.3							1.5-----160				No	Yes	No	Yes	Yes	
MC7050K		7.0	5.0	1.3							1.5-----160				No	Yes	No	Yes	Yes	
KC2016B-C1		2.0	1.6	0.65								1.5-----50				Yes	Yes	No	Yes	Yes
KC2520B-C1		2.5	2.0	0.8								1.5-----125				Yes	Yes	No	Yes	Yes
KC2520B-C2		2.5	2.0	0.8								1.5-----125-160				Yes	Yes	No	Yes	Yes
KC2520C-C1/ C2		2.5	2.0	0.8								1.5-----54				Yes	Yes	No	Yes	Yes
KC2520M		2.5	2.0	0.8								1.5-----60				Yes	Yes	No	Yes	Yes
KC3225A-C2/ C3		3.2	2.5	1.0								1.5-----125				Yes	Yes	No	Yes	Yes
KC5032A-CM		5.0	3.2	1.2								1.8-----50				Yes	Yes	No	Yes	Yes
KC5032A-C1		5.0	3.2	1.2								50-----135				Yes	Yes	No	Yes	Yes
KC5032A-C2		5.0	3.2	1.2								50-----135-170				Yes	Yes	No	Yes	Yes
KC5032A-C5		5.0	3.2	1.2								1.8-----50				Yes	Yes	No	Yes	Yes
KC5032E-C3		5.0	3.2	1.3								14-----166				Yes	Yes	No	Yes	Yes
KC7050A-C1		7.0	5.0	1.8								1.8-----39.99				Yes	Yes	No	Yes	Yes
KC7050A-C2		7.0	5.0	1.8								1.8-----125				Yes	Yes	No	Yes	Yes
KC7050A-C3		7.0	5.0	1.8								1.8-----170				Yes	Yes	No	Yes	Yes
KC7050A-C5		7.0	5.0	1.8								1.8-----50				Yes	Yes	No	Yes	Yes
KC7050B (FXO-37FNB)		7.0	5.0	2.0								80				Yes	Yes	No	No	Yes
KC3225L-P2/ P3		3.2	2.5	1.1								25-----170				Yes	Yes	No	Yes	Yes
KC5032L-P2/ P3		5.0	3.2	1.65								25-----170				Yes	Yes	No	Yes	Yes
KC5032P-P2/ P3		5.0	3.2	1.3								25-----175				Yes	Yes	No	Yes	Yes
KC7050P-P2/ P3		7.0	5.0	1.8								25-----175				Yes	Yes	No	Yes	Yes
KC5032R		5.0	3.2	1.2								10-----900				Yes	Yes	No	Yes	Yes
KC5032G		5.0	3.2	1.2								10-----900				Yes	Yes	No	Yes	Yes
KC7050L-P2/ P3		7.0	5.0	1.8								25-----170				Yes	Yes	No	Yes	Yes
KC7050R-P3		7.0	5.0	1.8								10-----900				Yes	Yes	No	Yes	Yes
KC7050G-P3		7.0	5.0	1.8								10-----900				Yes	Yes	No	Yes	Yes
KC3225L-L2/ L3		3.2	2.5	1.15								25-----170				Yes	Yes	No	Yes	Yes
KC5032L-L2/ L3		5.0	3.2	1.65								25-----170				Yes	Yes	No	Yes	Yes
KC5032P-L2/ L3		5.0	3.2	1.3								25-----175				Yes	Yes	No	Yes	Yes
KC7050L-L2/ L3		7.0	5.0	1.8								25-----170				Yes	Yes	No	Yes	Yes
KC7050P-L2/ L3		7.0	5.0	1.8								25-----175				Yes	Yes	No	Yes	Yes
KC3225L-H2/ H3		3.2	2.5	1.15								100-----140				Yes	Yes	No	Yes	Yes
KC5032L-H2/ H3		5.0	3.2	1.65								100-----140				Yes	Yes	No	Yes	Yes
KC5032P-H2/ H3		5.0	3.2	1.3								25-----175				Yes	Yes	No	Yes	Yes
KC7050L-H2/ H3		7.0	5.0	1.8								100-----140				Yes	Yes	No	Yes	Yes
KC7050P-H2/ H3		7.0	5.0	1.8								25-----175				Yes	Yes	No	Yes	Yes
KV3225L		3.2	2.5	1.15								100-----170				Yes	Yes	No	Yes	Yes
KV5032L		5.0	3.2	1.65								100-----170				Yes	Yes	No	Yes	Yes
KV5032D-C3		5.0	3.2	1.2								1.5-----170				Yes	Yes	No	Yes	Yes
KV7050L		7.0	5.0	1.8								100-----170				Yes	Yes	No	Yes	Yes
KV7050A (VC-FXO-35F)		7.0	5.0	2.0								8-----30				Yes	Yes	No	No	Yes
KV7050B-C3		7.0	5.0	1.8																