

Products		Dimensions (mm)			Applications					Frequency Range (MHz)					Conditions of Use				Lead-free Status		RoHS **
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 400	Solder			Washable	A: Lead-free Products B: Products with Lead-free Terminations		
										Manual	Reflow	Flow									
Ceramic Resonators	PBRC-G/ H	7.4	3.4	2.0 max.	○	○			○	2-----20					Yes	Yes	No	Yes	B	Yes	
	PBRC-L/ M	4.5	2.0	1.2 max.	○	○			○	3.68-----20					Yes	Yes	No	Yes	B	Yes	
	PRQC	3.2	1.3	1.0 max.	○	○			○	8-----20					Yes	Yes	No	Yes	B	Yes	
	PBRV-H	7.4	3.4	2.0 max.	○	○	○			4-----20					Yes	Yes	No	Yes	B	Yes	
	PBRV-M	4.5	2.0	1.2 max.	○	○	○			4-----20					Yes	Yes	No	Yes	B	Yes	
	PRQV	3.2	1.3	1.0 max.	○	○	○			8-----20					Yes	Yes	No	Yes	B	Yes	
SAW Resonators	PARM	3.0	3.0	1.5 max.	○	○		○	○					300----479	Yes	Yes	No	Yes	A	Yes	
	PARS	5.5	3.8	1.5 max.	○	○		○	○					300----479	Yes	Yes	No	Yes	A	Yes	
	PARV-A	5.5	3.8	1.5 max.	○	○		○	○					300----479	Yes	Yes	No	Yes	A	Yes	
	PARV-B	3.0	3.0	1.5 max.	○	○		○	○					300----479	Yes	Yes	No	Yes	A	Yes	
Crystal Units	CX1612SB	1.6	1.2	0.3	○			○			30-----60				Yes	Yes	No	Yes	A	Yes	
	CX2016SB	2.0	1.6	0.45	○			○			18-----60				Yes	Yes	No	Yes	A	Yes	
	CX2520SH	2.5	2.0	0.55	○			○			26-----60				Yes	Yes	No	Yes	A	Yes	
	CX2520SB	2.5	2.0	0.45	○			○			13.56-----60				Yes	Yes	No	Yes	A	Yes	
	CX3225GB	3.2	2.5	0.8	○			○			9.8-----54				Yes	Yes	No	Yes	B	Yes	
	CX3225SA	3.2	2.5	0.75	○			○			8-----54				Yes	Yes	No	Yes	A	Yes	
	CX3225SB	3.2	2.5	0.55	○			○			12-----54				Yes	Yes	No	Yes	A	Yes	
	CX5032SA	4.9	3.1	0.85	○			○			8-----40				Yes	Yes	No	Yes	A	Yes	
	CX5032SB (CX-96F)	4.9	3.1	0.7	○			○			9.8-----120				Yes	Yes	No	Yes	A	Yes	
	CX5032GA (CX-53G)	5.0	3.2	1.3	○			○			8-----40				Yes	Yes	No	Yes	B	Yes	
	CX5032GB (CX-53F)	5.0	3.2	1.0	○			○			7.3728-----54				Yes	Yes	No	Yes	B	Yes	
	CX8045GA	8.0	4.5	1.8	○			○			4-----30				Yes	Yes	No	Yes	B	Yes	
	CX8045JA (CX-17F)	8.0	4.5	1.9	○			○			4-----30				Yes	Yes	No	Yes	B	Yes	
	CX8045GB (CX-8045G)	8.0	4.5	1.8	○			○			4-----48				Yes	Yes	No	Yes	B	Yes	
	CX1255GA (CX-5FW)	11.8	5.5	2.5	○			○			3.5-----20				Yes	Yes	No	Yes	B	Yes	
	CX1255GB (CX-5FD)	11.8	5.5	1.8	○			○			3.5-----28.999				Yes	Yes	No	Yes	B	Yes	
	CX49FFWA (CX-49F)	11.4	5.0	5.0	○			○			3.2-----20				Yes	Yes	No	Yes	A	Yes	
	CX49GFNB (CX-49G)	12.3	4.5	4.0	○			○			3.2-----60				Yes	Yes	No	Yes	A	Yes	
	CX49LFWA (CX-49L)	10.8	9.5	4.9	○			○			3.2-----20				Yes	Yes	No	Yes	A	Yes	
	HC49SFNB (HC-49/ U-S) (Consumer)	10.8	4.4	3.3	○			○			3.2-----60				Yes	No	Yes	Yes	A	Yes	
	HC49SFWA (HC-49/ U-S) (Automotive)	10.8	4.4	3.3	○			○			3.2-----20				Yes	No	Yes	Yes	A	Yes	
	ST3215SB (Tuning Fork)	3.2	1.5	0.90 max.	○			○			32.768kHz				TBA	Yes	No	No	A	Yes	
	Oscillators	KC2016B-C1	2.0	1.6	0.55	○			○			1.5-----50				Yes	Yes	No	Yes	A	Yes
		KC2520B-C1	2.5	2.0	0.7	○			○			1.5-----125				Yes	Yes	No	Yes	A	Yes
		KC2520C-C1/ C2	2.5	2.0	0.7	○			○			1.5-----54				Yes	Yes	No	Yes	A	Yes
		KC2520A-C1/ C2/ C3	2.5	2.0	0.8	○			○			1.5-----50				Yes	Yes	No	Yes	A	Yes
		KC2520B-C2	2.5	2.0	0.7	○			○			1.5-----50				Yes	Yes	No	Yes	A	Yes
KC3225A-C2/ C3 (K25-2C/ 3C)		3.2	2.5	0.89	○			○			1.5-----125				Yes	Yes	No	Yes	A	Yes	
KP3225A-C2/ C3		3.2	2.5	0.89	○			○			5-----170				Yes	Yes	No	Yes	A	Yes	
KC5032C-C1 (K30-1C)		5.0	3.2	1.0	○			○			1.8-----39.99				Yes	Yes	No	Yes	A	Yes	
KC5032C-C2 (K30-2C)		5.0	3.2	1.0	○			○			1.8-----125				Yes	Yes	No	Yes	A	Yes	
KC5032C-C3 (K30-3C)		5.0	3.2	1.0	○			○			1.8-----170				Yes	Yes	No	Yes	A	Yes	
KC5032C-C3 (K30-3C Heavy Load Type)		5.0	3.2	1.0	○			○			14-----32				Yes	Yes	No	Yes	A	Yes	
KC5032C-C5 (K30-HC)		5.0	3.2	1.0	○			○			1.8-----50				Yes	Yes	No	Yes	A	Yes	
KC5032D (FXO-61F2)		5.0	3.2	1.1	○			○			1.8-----50				Yes	Yes	No	No	A	Yes	
KC5032D (FXO-64F2)		5.0	3.2	1.1	○			○			1.8-----32				Yes	Yes	No	No	A	Yes	
KC5032E-C3		5.0	3.2	1.1	○			○			14-----166				Yes	Yes	No	Yes	A	Yes	
KC7050A-C1 (K53-1C)		7.0	5.0	1.6	○			○			1.8-----39.99				Yes	Yes	No	Yes	A	Yes	
KC7050A-C2 (K53-2C)		7.0	5.0	1.6	○			○			1.8-----125				Yes	Yes	No	Yes	A	Yes	
KC7050A-C3 (K53-3C)		7.0	5.0	1.6	○			○			1.8-----170				Yes	Yes	No	Yes	A	Yes	
KC7050A-C5 (K53-HC)		7.0	5.0	1.6	○			○			1.8-----50				Yes	Yes	No	Yes	A	Yes	
KC7050B (FXO-31F)		7.0	5.0	1.8	○			○			1.8-----50				Yes	Yes	No	No	A	Yes	
KC7050B (FXO-34F)		7.0	5.0	1.8	○			○			1.8-----32				Yes	Yes	No	No	A	Yes	
KC7050B (FXO-37FNB)		7.0	5.0	1.8	○			○				80-			Yes	Yes	No	No	A	Yes	
KC7050H-C3 (K50H-3C)		7.0	5.0	1.6	○			○				80-----170			Yes	Yes	No	Yes	A	Yes	
KC7050C-C3 (K50-3C)		7.0	5.0	1.6	○			○				1.5-----80			Yes	Yes	No	Yes	A	Yes	
KC7050C-C5 (K50-HC)		7.0	5.0	1.6	○			○				1.5-----68			Yes	Yes	No	Yes	A	Yes	
KC7050S-C1 (FSO-2B)		7.0	5.0	2.0 max.	○			○				100--167			Yes	Yes	No	Yes*	A	Yes	
KC7050S-C2 (FSO-2C)		7.0	5.0	2.0 max.	○			○				100-----200			Yes	Yes	No	Yes*	A	Yes	
KC7050S-C3 (FSO-2D)		7.0	5.0	2.0 max.	○			○				100-----200			Yes	Yes	No	Yes*	A	Yes	
KC5032P-P2/ P3		5.0	3.2	1.1	○			○				50-----190			Yes	Yes	No	Yes	A	Yes	
KC7050P-P2/ P3		7.0	5.0	1.6	○			○				50-----190			Yes	Yes	No	Yes	A	Yes	
KC7050T-P2/P3		7.0	5.0	1.1	○			○				150-----700			Yes	Yes	No	Yes*	A	Yes	
KC7050S-P2/ P3 (FSO-1C, FSO-1D)		7.0	5.0	2.0 max.	○			○				50-----700			Yes	Yes	No	Yes*	A	Yes	
KC5032P-L2/ L3		5.0	3.2	1.1	○			○				50-----190			Yes	Yes	No	Yes	A	Yes	
KC7050P-L2/ L3		7.0	5.0	1.6	○			○				50-----190			Yes	Yes	No	Yes	A	Yes	
KC7050S-L2/ L3		7.0	5.0	2.0 max.	○			○				80-----700			Yes	Yes	No	Yes*	A	Yes	
KV2520A-C1/ C2/ C3		2.5	2.0	0.7	○			○				10-----60			Yes	Yes	No	Yes	A	Yes	
KV5032C-C3		5.0	3.2	1.0	○			○				1.5-----80			Yes	Yes	No	Yes	A	Yes	
KV7050A (VC-FXO-35F)	7.0	5.0	1.8	○			○				8-----30			Yes	Yes	No	No	A	Yes		
KV7050B-C3	7.0	5.0	1.6	○			○				1.5-----80			Yes	Yes	No	Yes	A	Yes		
KT2016	2.0	1.6	0.75 max.	○			○				13-----52			TBA	Yes	No	No	A	Yes		
KT2520	2.5	2.0	0.8 max.	○			○				13-----52			TBA	Yes	No	No	A	Yes		
KT3225 (KT21)	3.2	2.5	1.0 max.	○			○				13-----52			TBA	Yes	No	No	A	Yes		
KT5032 (VC-TCXO-208Cx)	5.0	3.2	1.5 max.	○			○				13-----40			TBA	Yes	No	No	A	Yes		
KT7050	7.0	5.0	2.0 max.	○			○				10--26			TBA	Yes	No	No	A	Yes		
OCVCXO-173A	50.0	50.0	19.0 max.	○			○				10			Yes	No	TBA	No	A	Yes		
OCVCXO-174A	50.0	50.0	21.0 max.	○			○				10			Yes	No	TBA					