



**Crystals**

<b>QVS Series</b>	<b>Pb Free Status</b>	<b>Note</b>	<b>Date code of Conversion to Pb Free</b>
QVS49P		Currently Pb free	420
QVS49P2		Currently Pb free	420
QVS49P3		Currently Pb free	420
QVS49P5		Currently Pb free	420
QVS49P4		Currently Pb free	420
QVS49P6		Currently Pb free	420
QVS49P8		Currently Pb free	420
QPM2		Currently Pb free	604
QPM25A		Currently Pb free	504
QV3R		Currently Pb free	510
QV3X	Pb free is standard	This device has always been Pb free.	
QV3Y	Pb free is standard	This device has always been Pb free.	
QV3Z		Currently Pb free	601
QCM20	Pb free is standard	This device has always been Pb free.	
QCM25	Pb free is standard	This device has always been Pb free.	
QCM30	Pb free is standard	This device has always been Pb free.	
QCM40	Pb free is standard	This device has always been Pb free.	
QCM45	Pb free is standard	This device has always been Pb free.	
QCM50	Pb free is standard	This device has always been Pb free.	
QCM55	Pb free is standard	This device has always been Pb free.	
QCM70	Pb free is standard	This device has always been Pb free.	
QCM80	Pb free is standard	This device has always been Pb free.	
QCM90	Pb free is standard	This device has always been Pb free.	
QCM95	Pb free is standard	This device has always been Pb free.	
QCM100	Pb free is standard	This device has always been Pb free.	
QVS49U/T		Currently Pb free	420
QVS49S		Currently Pb free	420
QVS49S2		Currently Pb free	420
QVS49S3		Currently Pb free	420
QVSU1		Currently Pb free	420
QVSU1N		Currently Pb free	420
QVSU1S		Currently Pb free	420
QVSU4		Currently Pb free	420
QVSU4S		Currently Pb free	420
QVSU5		Currently Pb free	420
QVSU5S		Currently Pb free	420
QVS15		Currently Pb free	601
QVS26		Currently Pb free	601
QVS38		Currently Pb free	601
QVS39		Currently Pb free	601



**Ceramic Resonators**

QVS Series	Pb Free Status	Note	Date code of Conversion to Pb Free
QRS2	Exempt via Item 7 of RoHS annex.	Contains Pb internally, Terminals are Pb free	516
QRS3	Exempt via Item 7 of RoHS annex.	Contains Pb internally, Terminals are Pb free	516
QTACV	Exempt via Item 7 of RoHS annex.	Contains Pb internally, Terminals are Pb free	516
QTTCV-MX	Exempt via Item 7 of RoHS annex.	Contains Pb internally, Terminals are Pb free	516
ZTA	Exempt via Item 7 of RoHS annex.	Contains Pb internally, Terminals are Pb free	516
ZTT	Exempt via Item 7 of RoHS annex.	Contains Pb internally, Terminals are Pb free	516
ZTB	Exempt via Item 7 of RoHS annex.	Contains Pb internally, Terminals are Pb free	516

**Oscillators**

QVS Series	Pb Free Status	Note	Date code of Conversion to Pb Free
QCM32	Pb free is standard	Currently Pb free	
QCO	Pb free is standard	This device has always been Pb free.	
QCOP	Pb free is standard	This device has always been Pb free.	
QCUO	Pb free is standard	This device has always been Pb free.	
QDO	Pb free is standard	This device has always been Pb free.	
QEO	Pb free is standard	This device has always been Pb free.	
QJO	Pb free is standard	This device has always been Pb free.	
QKO	Pb free is standard	This device has always been Pb free.	
QLO	Pb free is standard	This device has always been Pb free.	
QMO	Pb free is standard	This device has always been Pb free.	
QPO	Pb free is standard	This device has always been Pb free.	
QHO		Currently Pb free	521
QXO		Currently Pb free	521
QHOP	None at present	Under Evaluation	
QXOP	None at present	Under Evaluation	
QECL	None at present	Under Evaluation	
QPECL	None at present	Under Evaluation	

**VCXO**

QVS Series	Pb Free Status	Note	Date code of Conversion to Pb Free
QCV10	None at present	Under Evaluation	
QCV15	None at present	Under Evaluation	
QCV20	Pb free is standard	This device has always been Pb free.	
QCV25	Pb free is standard	This device has always been Pb free.	
QCV30	Pb free is standard	This device has always been Pb free.	
QSV35		Currently Pb free	601
QCV40	Pb free is standard	This device has always been Pb free.	
QCV45	Pb free is standard	This device has always been Pb free.	
QCV50	Pb free is standard	This device has always been Pb free.	
QV10	None at present	Under Evaluation	
QV15		Currently Pb free	601
QV20		Currently Pb free	601



**TCXO**

QVS Series	Pb Free Status	Note	Date code of Conversion to Pb Free
QCT10	None at present	Under Evaluation	
QCT15	None at present	Under Evaluation	
QCT20	None at present	Under Evaluation	
QCT25	None at present	Under Evaluation	
QCT30	None at present	Under Evaluation	
QCT35	None at present	Under Evaluation	
QCT40	Pb free is standard	This device has always been Pb free.	
QCT50	Pb free is standard	This device has always been Pb free.	
QCT60	Pb free is standard	This device has always been Pb free.	
QCT70	Pb free is standard	This device has always been Pb free.	
QT10	None at present	Under Evaluation	
QT15	None at present	Under Evaluation	
QT20	None at present	Under Evaluation	
QT25	None at present	Under Evaluation	
QT30	None at present	Under Evaluation	
QT35	None at present	Under Evaluation	
QT40	None at present	Under Evaluation	

**TCVCXO**

QVS Series	Pb Free Status	Note	Date code of Conversion to Pb Free
QCTV10	None at present	Under Evaluation	
QCTV15	None at present	Under Evaluation	
QCTV20	None at present	Under Evaluation	
QCTV25	Pb free is standard	This device has always been Pb free.	
QCTV30	None at present	Under Evaluation	
QCTV35	None at present	Under Evaluation	
QCTV40	Pb free is standard	This device has always been Pb free.	
QCTV45	Pb free is standard	This device has always been Pb free.	
QCTV50	Pb free is standard	This device has always been Pb free.	
QCTV55	Pb free is standard	This device has always been Pb free.	
QCTV60	Pb free is standard	This device has always been Pb free.	
QCTV70	Pb free is standard	This device has always been Pb free.	
QTV10	None at present	Under Evaluation	
QTV15	None at present	Under Evaluation	
QTV20	None at present	Under Evaluation	

**OCXO**

QVS Series	Pb Free Status	Note	Date code of Conversion to Pb Free
QO10	None at present	Under Evaluation, not expected to be Pb Free	
QO15	None at present	Under Evaluation, not expected to be Pb Free	
QO20	None at present	Under Evaluation, not expected to be Pb Free	
QO30	None at present	Under Evaluation, not expected to be Pb Free	