



Accuris has added the following environmental document to the active parts as mentioned in the document from Murata Manufacturing Co Ltd as of 16-January-2020.

Thank You.

Murata and REACH Regulation(EU)

Explanation of Murata's approach for EU REACH

About REACH

REACH is the European Community Regulation on chemicals and their safe use (EC 1907/2006) . This Regulation is intended to ensure protection of human health and the environment. The REACH Regulation became effective in Europe on July 1st, 2007.

Murata has made the necessary preparations to comply with the REACH Regulation. The REACH Regulation has different requirements for "Chemicals and Preparations" and "Articles". All of the products promoted by Murata website are articles (*1) .

The identification of a substance as a Substance of Very High Concern (SVHC) , and its inclusion in the Candidate List creates the duty to transfer information about the SVHC contained in products to recipient from suppliers in Europe (*2) . Murata's for our customers outside Europe, Murata provides the information necessary to comply with the duty to transfer information when the customers products that incorporate our products or our products, are brought into Europe.

It does not impose any restrictions on the use of the products, nor is it a substance ban.

*1 For products that are not promoted in this web site, please contact your **sales representative**.

*2 Relevant Article : Article 59 (1, 10) and Article 33 of Regulation (EC) No. 1907/2006 (REACH) -> Please refer to the following "**REACH Regulation Legal Text**".

Murata Products Containing SVHC (Candidate List amended: January 16, 2020)

To the present and best of our knowledge, and based upon the information available to us from our suppliers, Murata's current articles offered contain substances of very high concern (SVHC) , as identified in the amended Candidate List, above a limit of 0.1 % w/w.

Please refer to the "**Murata products containing SVHC**" (*3).

*3 Murata provides information on SVHC content less than 0.1 % w/w per articles according to customer's request.

Murata products containing SVHC	
ECHA Candidate list	16 January 2020
Product Name	Series Part Number * : Wildcard matching any number of characters.
Lead Titanium Zirconium Oxide [(Pbx Tiy Zrz) O3]	CAS No: 12626-81-2
Ceramic Discriminators	CDALF*
	CDBLB*
Ceramic Filter	CFG*
	CFJ*
	CFK*
	CFL*
	CFM*
	CFR*
	CFS*
	CFULA*
	CFULB*
	CFWLA*
	CFWLB*
	CFX*
	SFELF*
	SFESF*
	SFESG*
	SFG*
SFPLA*	
Chip Ceramic Discriminators	CDACP*
	CDACV*
	CDBCA*
	CDBCB*
	CDBKA*
	CDBKB*
	CDSCA*
	CDSCB*
Chip Ceramic Filter	CFUCF*
	CFUCG*
	CFUCJ*
	CFUKF*
	CFUKG*
	CFWCA*
	CFWKA*
	SFECA*
	SFECF*
	SFECK*
	SFECP*
	SFECS*
	SFEKV*
	SFPCA*
	SFPKA*
	SFSCE*
SFSKA*	
SFSKB*	
SFSKC*	
Chip Ceramic Traps	TPSKA*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters.
Lead Titanium Zirconium Oxide [(Pbx Tiy Zrz) O3]	CAS No: 12626-81-2
Cermic Resonator kHz Type for General Usage	CSBFB*J*
	CSBLA*J*
	CSBLB*J*
Cermic Resonator MHz Type for Automotive	CSALF*G*A*
	CSALF*T*A*
	CSTLF*G*A*
	CSTLF*T*A*
	CSTLF*X*A*
Cermic Resonator MHz Type for General Usage	CSALF*G*
	CSALF*T*
	CSTLF*G*
	CSTLF*T*
	CSTLF*X*
	CSTLS*G*
	CSTLS*X*
Chip Cermic Resonator MHz Type for Automotive	CSACS*MTA*
	CSTCC*G*A*
	CSTCE*G*A*
	CSTCE*G*C*
	CSTNE*G*C*
	CSTCR*G*A*
	CSTCR*G*B*
	CSTCR*G*C*
	CSTNR*G*C*
	CSTCS*MTA*
Chip Cermic Resonator MHz Type for General Usage	CSACM*G*
	CSACN*G*
	CSACS*MT*
	CSACV*T*
	CSTCC*G*
	CSTCE*G*
	CSTCE*G*L*
	CSTNE*G*L*
	CSTCR*G*
	CSTCR*G*L*
	CSTNR*G*L*
	CSTCS*MT*
	CSTCV*T*
	Chip Piezoelectric Receiver
Chip Piezoelectric Sounder	PKLCS*
	PKMCS*
Piezoelectric Buzzer	PKB*
Piezoelectric Diaphragms	7D-*
	7BB-*
	7NB-*
	7MB-*
	6BB-*
Piezoelectric Sounder	PKM*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters.
Lead Titanium Zirconium Oxide [(Pbx Tiy Zrz) O3]	CAS No: 12626-81-2
Piezoelectric Actuator	PAL*
	PJF*
Gyro sensor	ENC*
Ultrasonic sensor	MA*
Acceleration sensor	PKGS*
Micro blower	MZB*
FM Ceramic Filter	#SC107M3-AO20-2009C
Ceramic Resonator	MCMU2-912A01
AM Ladder Filter	ARLFCSS450HT-004S3=K
	ARLFCSS450HT-012S3=K
	ARLFCSS450HT-01S3S=K
EGDME	CAS No: 110-71-4
Coin Manganese Dioxide Lithium Batteries	CR*
	CR*X
	CR*W
	CR*S
	CR*R
Lead	CAS No: 7439-92-1
Ceramic capacitor	DC*
	DD*
	DV*
	DHB*
	DHC*
	DHK*
	DHN*
	DHS*
	DE*000R+K14
	DE*L01R+K14
	DE*L01R+K14Y
	DE*MS1R+K14
	DE*+L58
	DE*+L67
	RD*+V*
	RD*+X*
	RH*+X*
	RP*+A*
	RP*+C*
	RP*+V*
RP*+X*	
Rotary Sensors	FR05CM21*
	FR05CM12BA
	FR05CM12AK
	FR05CM12AL
	FR05CM12AS
	FR05CM16AC
	FR05CM62AC
	FR12AM32AB
	FR15AM34AA
Lead type NTC thermistor	NTSS*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters. # : Wildcard matching any single numeric character.
Lead	CAS No: 7439-92-1
Lead type Ceramic PTC thermistor	PTG* PTF*
Chip type Ceramic PTC thermistor	PRG* PRF*
Ultrasonic sensor	MA40E9-5 MA40MF14-3NA
Ultrasonic sensor	MA40MF14-5* MA48MF14-5*
SAW FILTER	SAFSC1G96FB0T01R00 SAFSF1G44AA0T00R05 SAWSU881MCQ0T01R00 SAWSU942MCN0T01R00 SAWSU942MCS0T01R00 SAFUP426MAL0T00R10
BGS FILTER	MKFKB55M8JA0P00R11 MKFGA21M7HA0PJ2B05 MKTGA40M4AAHP00B05 MKTGA60M2CAHP00B05 MKTGA60M2CAHP00B05 MKTGA47M2AAHPT1B05 MKTGA40M4AAHP00B05 MKFGA21M7HA0PJ0B05 MKFCC40M0CD0P00R05 MKFCC40M0CD0P01R05 MKFCJ40M0CB0P00R11
SAW RESONATOR	SARUM308M04BXL8R11 SARUM434M10BXL8R10
VIF SAW	SAFJA54M2VC0Z00R03 SAFJA58M7VVBZ00R03 SAFJA58M7VVBZ02R03 SAFGH54M2VC0Z00B03 SAFGH54M2VC0ZD0B03 SAFGH58M7VVBZ00B03
Connector probe	MM##### MXBG* MX####BG* MXBH* MX####BH* MXBR* MX####BR* MXBS* MX####BS* MXCD* MX####CD* MXCE* MX####CE* MXCT* MX####CT* MXDH*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters. # : Wildcard matching any single numeric character.
Lead	CAS No: 7439-92-1
Connector probe	MX####DH*
	MXDJ*
	MX####DJ*
	MXDL*
	MX####DL*
	MXDM*
	MX####DM*
	MXDV*
	MX####DV*
	MXDW*
	MX####DW*
	MXDX*
	MX####DX*
	MXDY*
	MX####DY*
	MXED*
	MX####ED*
	MXEN*
	MX####EN*
	MXEQ*
	MX####EQ*
	MXER*
	MX####ER*
	MXES*
	MX####ES*
	MXEU*
	MX####EU*
	MXEV*
	MX####EV*
	MXEW*
	MX####EW*
	MXFD*
	MX####FD*
	MXFJ*
	MX####FJ*
	MXFL*
	MX####FL*
	MXFN*
	MX####FN*
	MXFP*
	MX####FP*
	MXFQ*
	MX####FQ*
	MXFR*
	MX####FR*
	MXFS*
	MX####FS*
	MXFT*
	MX####FT*
	MXFU*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters. # : Wildcard matching any single numeric character.
Lead	CAS No: 7439-92-1
Connector probe	MX####FU*
	MXFX*
	MX####FX*
	MXGE*
	MX####GE*
	MXGF*
	MX####GF*
	MXGH*
	MX####GH*
	MXGJ*
	MX####GJ*
	MXGK*
	MX####GK*
	MXGL*
	MX####GL*
	MXGM*
	MX####GM*
	MXGQ*
	MX####GQ*
	MXGS*
	MX####GS*
	MXGT*
	MX####GT*
	MXHQ*
	MX####HQ*
	MXHR*
	MX####HR*
	MXHS*
	MX####HS*
	MXHT*
	MX####HT*
	MXHU*
	MX####HU*
	MXHW*
	MX####HW*
	MXMA*
	MX####MA*
	MXMB*
	MX####MB*
	MXMC*
	MX####MC*
	MXMV*
	MX####MV*
	MXPA*
	MX####PA*
	MXPB*
	MX####PB*
	MXPK*
	MX####PK*
	MXPL*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters. # : Wildcard matching any single numeric character.
Lead	CAS No: 7439-92-1
Connector probe	MX####PL*
	MXPN*
	MX####PN*
	MXPP*
	MX####PP*
	MXPQ*
	MX####PQ*
	MXPR*
	MX####PR*
	MXPS*
	MX####PS*
	MXPT*
	MX####PT*
	MXPU*
	MX####PU*
	MPX*
	MX####PX*
	MXQE*
	MX####QE*
	MXQH*
	MX####QH*
	MXQT*
	MX####QT*
	MXQU*
	MX####QU*
	MXRH*
	MX####RH*
	MXRJ*
	MX####RJ*
	MXRK*
	MX####RK*
	MXRM*
	MX####RM*
	MXSG*
	MX####SG*
	MXSH*
	MX####SH*
	MXSJ*
	MX####SJ*
	MXSK*
	MX####SK*
	MXSM*
	MX####SM*
	MXSN*
	MX####SN*
	MXTA*
	MX####TA*
	MXTB*
	MX####TB*
	MXWA*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters. # : Wildcard matching any single numeric character.
Lead	CAS No: 7439-92-1
Connector probe	MX####WA*
	MXWF*
	MX####WF*
	MXWG*
	MX####WG*
	MXWH*
	MX####WH*
	MXWJ*
	MX####WJ*
	MXWL*
	MX####WL*
	MXWM*
	MX####WM*
	MXWR*
	MX####WR*
	MXWS*
	MX####WS*
	MXWT*
	MX####WT*
	MXWX*
	MX####WX*
	MXWY*
	MX####WY*
	MXWZ*
	MX####WZ*
	MXXA*
	MX####XA*
	MXXB*
	MX####XB*
	MXXJ*
	MX####XJ*
	MXXP*
	MX####XP*
	MXYA*
	MX####YA*
	MXYB*
	MX####YB*
	MXYD*
	MX####YD*
	MXYF*
	MX####YF*
	MXYK*
	MX####YK*
	MXYL*
	MX####YL*
	MXYR*
	MX####YR*
	MXYV*
	MX####YV*
	MXYW*

Murata products containing SVHC	
Product Name	Series Part Number * : Wildcard matching any number of characters. # : Wildcard matching any single numeric character.
Lead	CAS No: 7439-92-1
Connector probe	MX####YW*
	MXZM*
	MX####ZM*
	MXZN*
	MX####ZN*
	MXZS*
	MX####ZS*
	MXZR*
	MX####ZR*
	MXZW*
	MX####ZW*
uDCDC Converter	LXDCCGDAAF-241