

Restriction of Hazardous Substances RoHS Compliance Statement (RoHS3 EU Directive 2011/65/EU 2015/863)

Nov 15, 2023

RoHS3 (EU Directive 2011/65/EU 2015/863) is a directive adopted by the European Union that restricts the use of certain hazardous substances in electrical and electronic equipment (EEE) by specifying the maximum concentrations of hazardous substances that can be present in EEE. The directive seeks to limit the possibility of these hazardous substances leaching out and polluting the environment during end-of-life recycling or disposal in landfills.

RoHS3 Substance List

Substance	Maximum Concentration in Homogeneous Material
Lead (Pb)	1,000 ppm (0.1%)
Mercury (Hg)	1,000 ppm (0.1%)
Cadmium (Cd)	100 ppm (0.01%)
Hexavalent chromium (Cr(VI))	1,000 ppm (0.1%)
Polybrominated biphenyls (PBB)	1,000 ppm (0.1%)
Polybrominated diphenyl ethers (PBDE)	1,000 ppm (0.1%)
Bis(2-ethylhexyl) phthalate (DEHP)	1,000 ppm (0.1%)
Butyl benzyl phthalate (BBP)	1,000 ppm (0.1%)
Dibutyl phthalate (DBP)	1,000 ppm (0.1%)
Diisobutyl phthalate (DIBP)	1,000 ppm (0.1%)

The vast majority of Transko's products meets this requirement. The following is a list of our products with the RoHS compliance status. There are a few exceptions for legacy products which can be found in the exceptions list below.

CRYSTAL

Product Series	Status
CS12	ALL COMPLIANT
CS1210J	ALL COMPLIANT
CS1610	ALL COMPLIANT
CT16	ALL COMPLIANT
CS16	ALL COMPLIANT



CS2012	ALL COMPLIANT
CS2012J	ALL COMPLIANT
CT21	ALL COMPLIANT
CS21	ALL COMPLIANT
CT22	ALL COMPLIANT
CS22	ALL COMPLIANT
CX31	ALL COMPLIANT
CS31	ALL COMPLIANT
CX32	ALL COMPLIANT
CS32	ALL COMPLIANT
CS32B	Exemption 7c1 - Lead in glass
CS32H	ALL COMPLIANT
CS41	ALL COMPLIANT
CS42	ALL COMPLIANT
CS52	ALL COMPLIANT
CX53A	ALL COMPLIANT
CS53A	ALL COMPLIANT
CS53B	Exemption 7c1 - Lead in glass
CS63A	ALL COMPLIANT
CS63B	ALL COMPLIANT
CS63C	Exemption 7c1 - Lead in glass
CS71	Exemption 7a - Lead in high temp solder
CS75	ALL COMPLIANT
CS83	Exemption 7a - Lead in high temp solder
CS84	Exemption 7c1 - Lead in glass
CS1041	Exemption 7a - Lead in high temp solder
CS1042	Exemption 7a - Lead in high temp solder
TS-SMD	Exemption 7a - Lead in high temp solder
SMTF	ALL COMPLIANT
HC49/SMD	ALL COMPLIANT
UM/SMD	ALL COMPLIANT
HC49/SMD4	ALL COMPLIANT
HC49/S	ALL COMPLIANT
HC49/U	ALL COMPLIANT
UM-1	ALL COMPLIANT
1 X 5	ALL COMPLIANT
2 X 6	ALL COMPLIANT
2 X 6SMD	ALL COMPLIANT
3 X 8	ALL COMPLIANT
3 X 9	ALL COMPLIANT



OSCILLATOR

Product Series	Status
TMM	ALL COMPLIANT
TP21U	ALL COMPLIANT
TP22U	ALL COMPLIANT
TP32U	ALL COMPLIANT
TP53U	ALL COMPLIANT
TP75U	ALL COMPLIANT
TP21	ALL COMPLIANT
TP22	ALL COMPLIANT
TP32	ALL COMPLIANT
TP53	ALL COMPLIANT
TP75	ALL COMPLIANT
TSM16	ALL COMPLIANT
TSL21	ALL COMPLIANT
TSM21	ALL COMPLIANT
TLP22	ALL COMPLIANT
THC22	ALL COMPLIANT
TP22A	ALL COMPLIANT
TSL22	ALL COMPLIANT
TPSM2	ALL COMPLIANT
TLSM2	ALL COMPLIANT
TSM22	ALL COMPLIANT
TEL31	ALL COMPLIANT
TEL32	ALL COMPLIANT
TG32	ALL COMPLIANT
THS32	ALL COMPLIANT
TLP32	ALL COMPLIANT
THC32	ALL COMPLIANT
TPSM3	ALL COMPLIANT
TLSM3	ALL COMPLIANT
TSM32	ALL COMPLIANT
TSL32	ALL COMPLIANT
TCP53	ALL COMPLIANT
TSM53	ALL COMPLIANT
TGM5	ALL COMPLIANT



TLSM5	ALL COMPLIANT
TP53A	ALL COMPLIANT
THC53	ALL COMPLIANT
TPSM5	ALL COMPLIANT
TSL53	ALL COMPLIANT
TCP75	ALL COMPLIANT
TP75A	ALL COMPLIANT
TSL75	ALL COMPLIANT
TSM75	ALL COMPLIANT
TLSM	ALL COMPLIANT
TPSM	ALL COMPLIANT
THCSL	ALL COMPLIANT
TGM	ALL COMPLIANT
TSP	ALL COMPLIANT
TPS-1236	ALL COMPLIANT

VCXO

Product Series	Status
TSMV2	ALL COMPLIANT
TV22A	ALL COMPLIANT
TVM26	ALL COMPLIANT
TVM36	ALL COMPLIANT
TSMV3	ALL COMPLIANT
TV32A	ALL COMPLIANT
TVL5	ALL COMPLIANT
TVP5	ALL COMPLIANT
TSMV5	ALL COMPLIANT
TV53A	ALL COMPLIANT
TVC5	ALL COMPLIANT
TVD5	ALL COMPLIANT
TVP	ALL COMPLIANT
TSMV	ALL COMPLIANT
TV75A	ALL COMPLIANT
TVC	ALL COMPLIANT
TVD	ALL COMPLIANT
TPV	ALL COMPLIANT
TSVC	ALL COMPLIANT
TSVD	ALL COMPLIANT
TSVE	ALL COMPLIANT



TSVF	ALL COMPLIANT
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TCXO/VCTCXO

Product Series	Status
TDX32	ALL COMPLIANT
TX-U	ALL COMPLIANT
TX-O	ALL COMPLIANT
TX-N	ALL COMPLIANT
TX-L	ALL COMPLIANT
TX-M	ALL COMPLIANT
TX-Q	ALL COMPLIANT
TFC5	ALL COMPLIANT
TX-J	ALL COMPLIANT
TE-J	ALL COMPLIANT
TX-T	ALL COMPLIANT
TFC	ALL COMPLIANT
TE-S	ALL COMPLIANT
TXCS	ALL COMPLIANT
TX-K	ALL COMPLIANT
TX-P	ALL COMPLIANT
TX-S	ALL COMPLIANT
TX-SB	ALL COMPLIANT
TX-R	ALL COMPLIANT
TX-V	ALL COMPLIANT
TX-A	ALL COMPLIANT
TX-AL	ALL COMPLIANT
TX-B	ALL COMPLIANT
TX-BL	ALL COMPLIANT
TX-C	ALL COMPLIANT
TX-D	ALL COMPLIANT
TX-D6	ALL COMPLIANT
TX-E	ALL COMPLIANT
TX-EL	ALL COMPLIANT
TX-F4	ALL COMPLIANT
TX-F6	ALL COMPLIANT
VTXLN	ALL COMPLIANT
TX-G	ALL COMPLIANT
TX-H	ALL COMPLIANT
TFL	ALL COMPLIANT



THH	ALL COMPLIANT
THL	ALL COMPLIANT

OCXO

Product Series	Status
OX-A1	ALL COMPLIANT
OX-B	ALL COMPLIANT
OX-C	ALL COMPLIANT
OX-D	ALL COMPLIANT
OX-E	ALL COMPLIANT
OX-F	ALL COMPLIANT
OX-G	ALL COMPLIANT
OX-S	ALL COMPLIANT
OCXO-1446	ALL COMPLIANT

VCO

Product Series	Status
TVCO	ALL COMPLIANT
TVCO-A	ALL COMPLIANT
TVCO-B	ALL COMPLIANT
TCRO	ALL COMPLIANT

CRYSTAL, CERAMIC, AND SAW FILTER

Product Series	Status
HC-49U	ALL COMPLIANT
HC-49T	ALL COMPLIANT
MCF5070A	ALL COMPLIANT
MCF5070B	ALL COMPLIANT
UM	ALL COMPLIANT
LT	Exemption 7c1 - Lead in ceramic
LTC	Exemption 7c1 - Lead in ceramic



LTS	Exemption 7c1 - Lead in ceramic
LTT	Exemption 7c1 - Lead in ceramic
LTM	Exemption 7c1 - Lead in ceramic
LZU	Exemption 7c1 - Lead in ceramic
LTZ	Exemption 7c1 - Lead in ceramic
LTP	Exemption 7c1 - Lead in ceramic
XTMJ	Exemption 7c1 - Lead in ceramic
XTM	Exemption 7c1 - Lead in ceramic

RESONATOR

Product Series	Status
ZTTCW	Exemption 7c1 - Lead in ceramic
ZTTCE	Exemption 7c1 - Lead in ceramic
ZTCA / ZTTCA	Exemption 7c1 - Lead in ceramic
ZTTCR	Exemption 7c1 - Lead in ceramic
ZTACS / ZTTCS	Exemption 7c1 - Lead in ceramic
ZTACC / ZTTCC	Exemption 7c1 - Lead in ceramic
ZTA	Exemption 7c1 - Lead in ceramic
ZTT	Exemption 7c1 - Lead in ceramic
ZTB455Y	Exemption 7c1 - Lead in ceramic

Exceptions List

Series	Status
SXO	Compliant version available upon request (Part numbers with -ROHS suffix are compliant)
EXO	Compliant version available upon request (Part numbers with -ROHS suffix are compliant)
ECP	Compliant version available upon request (Part numbers with -ROHS suffix are compliant)
VCXO-6xx	Compliant version available upon request (Part numbers with -ROHS suffix are compliant)



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