

06/15/2023

RoHS COMPLIANCE STATEMENT

Knowles Corporation a leading supplier to the electronic components market is fully committed to offering products supporting Restriction of Hazardous Substances (RoHS) directive 2002/95/EC, ROHS2 Directive 2011/65/EU and amendment 2015/863/EU. We offer a broad range of capacitors free of Lead in the terminations. Knowles Corporation complies with the requirements of the individual customer and will maintain product offerings that meet the demand of our industry.

	RESTRICTED SUBSTANCE		MAXIMUM THRESHOLD LIMIT
1	Cadmium	Cd	100 ppm (0.01 weight %)
2	Mercury	Hg	1000 ppm (0.1 weight %)
3	Hexavalent chromium	Cr VI	1000 ppm (0.1 weight %)
4	Lead	Pb	1000 ppm (0.1 weight %)
5	Polybrominated biphenyls	PBB	1000 ppm (0.1 weight %)
6	Polybrominated diphenyl ethers	PBDE	1000 ppm (0.1 weight %)
7	Bis(2-ethylhexyl) phthalate	DEHP	1000 ppm (0.1 weight %)
8	Butyl benzyl phthalate	BBP	1000 ppm (0.1 weight %)
9	Dibutyl phthalate	DBP	1000 ppm (0.1 weight %)
10	Diisobutyl phthalate	DIBP	1000 ppm (0.1 weight %)

	Product line	Description	RoHS exemptions
Knowles Voltronics Brand)	Voltronics NMNT-Line, NT-Line, NMT-Line & T-Line	Devices with Copper Alloy	6(c) Lead in copper alloy
	Voltronics Q-Line	Devices with Glass dielectric structure	6(c) Lead in copper alloy 7(c-1) Leaded glass
	Voltronics A-Line	Devices with Copper Alloy & High Melting temperature type Solders	6(c) Lead in copper alloy
	Voltronics A1-Line		7(a) Lead in High Melting Point Solder
	Voltronics K-Line		
	Voltronics A4-Line		

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	Product line	Description	RoHS exemptions
(Knowles Johanson Brand)	Cera Trimmer Capacitors	Devices with ceramic dielectric structure & gold finish terminals	RoHS Without exemptions
	Thin Trimmer Capacitors		
	Seal Trimmer Capacitors		
	Ceramic Trimmer Capacitors		
	Variable Inductor	Devices variable inductor core	
	Giga Trimmer	Devices with Copper Alloy	6(c) Lead in copper alloy
	Tuning Element		
	Air Capacitor Trimmer	Devices with Copper Alloy & High Melting temperature type Solders	6(c) Lead in copper alloy
	Dyna Trimmer		7(a) Lead in High Melting Point Solder
	Cera Trimmer Capacitors	Devices with Lead in ceramic dielectric structure & gold finish terminals	7(c-II) Lead in dielectric ceramic in capacitors for a rated voltage of 125V or 250V DC or Higher
	Thin Trimmer Capacitors		
	Seal Trimmer Capacitors		
	Cera Trimmer Capacitors	Devices with ceramic dielectric structure & solder finish terminals	NOT RoHS
	Thin Trimmer Capacitors		
	Seal Trimmer Capacitors		

Domingo Vallejo

Domingo Vallejo
 Quality Manager
 Knowles Precision Devices
Domingo.Vallejo@knowles.com

Parque Industrial ITABO, Haina, San Cristobal. Rep. Dom. 809-957-0228