

Dated: September 25, 2025

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. Knowles Precision Devices is a leading supplier of electronic components, supporting proposition 65 the safe Drinking Water and Toxic Enforcement Act of 1986 and customer requirements of our industry.

List of Substances

	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 %)

List of Exemptions

- 6(c) Lead in Copper alloys
- 7(a) Lead in High Melting Point Solders
- 7(c)-I Lead in Glass
- 7(c)-II Lead in Dielectric ceramic for Voltage $\geq 250\text{Vdc}$
- 24 Lead in Solder for Discoidal and Planar Arrays

List of Statements

[Microwave Products, Single Layer Capacitors, JR & JZ trimmers, Non-Magnetic Hardware, & Resonators \(Page2\) Tables A & B](#)

[Multilayer Capacitors, Radial Leaded, Ribbon Leaded, EMI Filters, Trimmers, Tuning tools, & Variable Inductors \(Pages 3 to 5\) Tables C to E](#)

Microwave Products, Single Layer Capacitors, JR & JZ trimmers, Non-Magnetic Hardware, & Resonators

Table A: Knowles Cazenovia (Cazenovia)

Product	Description	RoHS exemptions
(Knowles DLI Brand) Single-Layer Capacitors	Devices with Leads	7(a) Lead in High Melting Point Solder
	Devices without Leads	RoHS compliant without exemptions
(Knowles DLI Brand) Thin Film Devices	Devices with Metal Covers	7(a) Lead in High Melting Point Solder
	Devices without Covers	RoHS compliant without exemptions
(Knowles Voltronics Brand) JR(L)/JZ(L) Trimmer capacitors	All	RoHS compliant without exemptions
(Knowles Voltronics Brand) Non-Magnetic Hardware	All	6(c) Lead in Copper alloy

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Table B: Knowles Cazenovia (San Diego)

Product	Description	RoHS exemption
(Knowles IMC Brand) Filters	All	Not RoHS Compliant*
(Knowles IMC Brand) Resonators	All	RoHS compliant without exemptions

* RoHS compliant without exemptions are available on request



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Multilayer Capacitors, Radial Leaded, Ribbon Leaded, EMI Filters, Trimmers, Tuning tools, & Variable Inductors

Table C: Knowles Novacap (Valencia)

Product	Description	RoHS exemption
(Knowles Novacap Brand) Multilayer Capacitors	Dielectric codes B, C, D, E, F, G, J, K, L, N, S, T, U, V, or with termination codes D, E, Y, or leaded parts with Lead (Pb) bearing solder.	<u>Dielectric</u> Voltage ≥ 250Vdc 7(c)-II Lead in dielectric ceramic Voltage < 250Vdc Not Compliant <u>Termination</u> Not Compliant <u>Lead solder</u> 7(a) Lead in High Melting Point Solder
	Dielectric codes AH, BB, BL, BN, W, BW, CF, M, NA, Q, RB, RC, RD, RE, RF, RG, RL, RN, RS, RT, RU, RV, UL and with termination codes B, C, FR, K, N, NG, PR, SR	RoHS compliant without exemptions
(Knowles DLI Brand) Multilayer Capacitors	Termination codes U, Y, V or leaded parts with Lead (Pb) bearing solder	<u>Termination</u> Not Compliant <u>Lead solder</u> 7(a) Lead in High Melting Point Solder
	Dielectric codes AH, CF, BL, NA and with termination codes M, P, Q, S, W, Z.	RoHS compliant without exemptions

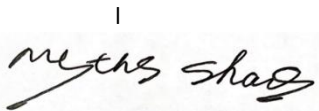
Claudia Sanchez

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Table D: Knowles Syfer (Suzhou)

Product	Description	RoHS exemption
(Knowles Syfer Brand) Multilayer Capacitors	Dielectric codes B,R,N,T with termination codes F,J,Q,Y and Suffix code HPB	<u>Dielectric</u> Voltage ≥ 250Vdc 7(c)-II Lead in dielectric ceramic Voltage < 250Vdc Not Compliant
	Dielectric codes B,R,N,T with termination codes H,A,6,7 and Suffix code HPB	Not RoHS Compliant
	Dielectric codes A,B,C,D,E,F,G,H,J,K,N,P,Q,R,S,T,U,V,X with termination codes F,G,J,Q,Y,2,3	RoHS compliant without exemptions

	Dielectric codes A,B,C,D,E,F,G,H,J,K,N,P,Q,R,S,T,U,V,X with termination codes H,A,4,5,6,7	Not RoHS Compliant
(Knowles Syfer Brand) Radial Leaded Capacitors	Termination codes C,X,B,R with Suffix code C42	RoHS compliant without exemptions
	Termination codes C,X, with Suffix code A31,A97	Not RoHS Compliant
(Knowles Syfer Brand) Ribbon Leaded Capacitors	Dielectric codes Q with termination code B	<u>Lead solder</u> 7(a) Lead in High Melting Point Solder
	Dielectric codes Q with termination code V	<u>Lead solder</u> 7(a) Lead in High Melting Point Solder
(Knowles Syfer Brand) Surface mount EMI Filters	Filter series SB** with Dielectric codes C,X	RoHS compliant without exemptions
	Filter series SB** with Dielectric codes C,X and Suffix code /0107	Not RoHS Compliant
(Knowles Syfer Brand) Panel mount EMI Filters	Filter series SFS* with Dielectric codes C,X	<u>Dielectric</u> Voltage ≥ 250Vdc 7(c)-II Lead in dielectric ceramic Voltage < 250Vdc Not Compliant <u>Lead in Solder</u> 24 for hole soldering to discoidal and planar arrays
(Knowles Syfer Brand) Bolt-in Panel mount EMI Filters	Filter series SF** with Dielectric codes C,X	<u>Dielectric</u> Voltage ≥ 250Vdc 7(c)-II Lead in dielectric ceramic Voltage < 250Vdc Not Compliant <u>Lead in Solder</u> 24 for hole soldering to discoidal and planar arrays
	Filter series SF** with Dielectric codes C,X and Suffix Code /0100	Not RoHS Compliant



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Table E: Knowles Johanson & Voltronics (Dominican Republic)

	Product	Description	RoHS exemption
(Knowles Johanson Brand)	Cera Trimmer Capacitors	Devices with ceramic dielectric structure & gold finish terminals	RoHS compliant without exemptions
	Thin Trimmer Capacitors		
	Seal Trimmer Capacitors		
	Ceramic Trimmer Capacitors		
	Tuning Tools 41 and 21 Series	Devices with Delrin & Alumina	
	Tuning Tools 8766	Devices with Zytel and Steel	
	Tuning Tools (Molded) 8777	Devices with Polycarbonate & Spring Steel	
	Variable Inductor	Devices variable inductor core	
	Giga Trimmer / Eco Trim	Devices with Copper Alloy	<u>Copper Alloy</u> 6(c) Lead in Copper alloy
	Tuning Element		
	Tunable Input Balun		
	Air Capacitor Trimmer	Devices with Copper Alloy & High Melting temperature type Solders	<u>Copper Alloy</u> 6(c) Lead in Copper alloy <u>Lead solder</u> 7(a) Lead in High Melting Point Solder
	Dyna Trimmer		
	Cera Trimmer Capacitors	Devices with Lead in ceramic dielectric structure & gold finish terminals	<u>Dielectric Ceramic</u> Voltage ≥ 250Vdc 7(c)-II Lead in dielectric ceramic Voltage < 250Vdc Not Compliant
	Thin Trimmer Capacitors		
	Seal Trimmer Capacitors		
Cera Trimmer Capacitors	Devices with ceramic dielectric structure & solder finish terminals	Not RoHS Compliant	
Thin Trimmer Capacitors			
Seal Trimmer Capacitors			
	Product	Description	RoHS exemption
(Knowles Voltronics Brand)	Voltronics NMNT-Line & NT- Line	Devices with Copper Alloy	<u>Copper Alloy</u> 6(c) Lead in Copper alloy
	Voltronics NMT-Line, T-Line & S-Line	Devices with Glass dielectric structure	<u>Copper Alloy</u> 6(c) Lead in Copper alloy
	Voltronics Q-Line		<u>Glass dielectric</u> 7(c)-I Lead in glass
	Voltronics A-Line	Devices with Copper Alloy & High Melting temperature type Solders	<u>Copper Alloy</u> 6(c) Lead in Copper alloy)
	Voltronics A1-Line	Devices with Copper Alloy & High Melting temperature type Solders	<u>Lead solder</u> 7(a) Lead in High Melting Point Solder
	Voltronics K-Line		
	Voltronics A4-Line		
Tuning Tool TT-series	Tuning with spring steel	RoHS compliant without exemptions	


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