



Surface Mount Devices: EU Directive Compliance Status by Product Type

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Type	Product	Series Image	Series	Product Use	RoHS / ELV ¹ Compliant Version Available	How to Order Product that	
						Meets RoHS Criteria	Does Not Meet RoHS Criteria
Multi-Layer Ceramic Surface Mount (SMD)	Standard, High Voltage, Tip & Ring		CxxxxC	Commercial	yes	'C' Suffix, e.g., C0805C104K5RAC	Option not available for 0201 products. 'L' Suffix, e.g., C0805C104K5RAL
	Open Mode		CxxxxF	Commercial	yes		
	KEMET Commercial-Off-The-Shelf (KCOTS)		CxxxxT	Commercial or Military / Hi-Rel	yes		
	Low Profile Standard Chip		CxxxxL	Commercial	yes	'C' Suffix, e.g., C0805L475K9PA	'L' Suffix, e.g., C0805L475K9PAL
	GR 900		CxxxxA	Hi-Rel	yes	SolderGuard II (tinned) = 'C' suffix.	SolderGuard I (solder-coated) = 'H' suffix.
	MIL-123 & KEMET Part Number Equivalents		CKS, CxxxxZ	Hi-Rel	yes	SolderGaurd II (tinned): MIL PN use 'W' or 'Y' suffix, KEMET PN use 'C' suffix.	SolderGuard I (solder-coated): MIL PN = 'S' suffix, KEMET PN = 'H' suffix.
MIL-PRF-55681 & KEMET Part Number Equivalents		CDR, CxxxxP, CxxxxN	Military	yes	SolderGaurd II (tinned): MIL PN use 'W' or 'Y' suffix, KEMET PN use 'C' suffix.	SolderGuard I (solder-coated): MIL PN = 'S' or 'U' suffix, KEMET PN = 'H' suffix.	
Tantalum Surface Mount (SMT)	Tantalum MnO ₂		T491, T494, T495, T496, T497, T498, T499, T510	Commercial	yes	'T' Suffix for Matte Tin, e.g., T491B105M035A <u>T</u> 'G' Suffix for Gold, e.g., T491B105M035A <u>G</u>	Must use 'H' Suffix, e.g., T491B105M035A <u>H</u>
	Tantalum MnO ₂ per MIL-PRF-55365/8		T492 (CWR11)	Military / Hi-Rel	yes	For Gold termination, use 'G' Suffix, e.g., T492B105K035B <u>G</u>	For SnPb Termination, use 'S' suffix, e.g., T492B105K035B <u>S</u>
			T409 (CWR09), T419 (CWR19), T429 (CWR29)	Military / Hi-Rel	yes	Use 'B' Suffix for Gold Termination, e.g., T493D227M006C <u>B</u> , use 'T' Suffix for Tin Termination, e.g., T493D227M006C <u>T</u>	Solder option Termination Codes: 'H' = plated, 'C' = dipped, 'K' = Fused
	Tantalum Commercial-Off-The-Shelf (COTS)		T493	Hi-Rel	yes		
	Conductive Polymer		T520, T530	Commercial	yes	'T' Suffix ¹ , e.g., T520V157M006A <u>T</u>	Must use 'H' Suffix, e.g., T520V157M006A <u>H</u>
	Face Down Termination Conductive Polymer		T528	Commercial	yes	Must use 'T' Suffix, e.g., T528Z337M2R5A <u>T</u>	No option - not available
High Temp Conduitive Polymer		T525	Commercial	yes	Must use 'T' Suffix, e.g., T525D337M006A <u>T</u>	Must use 'H' Suffix, e.g., T525D337M006A <u>H</u>	
Aluminum Surface Mount			A700	Commercial	yes	Must use 'T' Suffix, e.g., A700V476M006A <u>T</u>	No option - not available
Inductors	Multi-Layer Chip Type		FBMH, FBMJ Series HK, LK, CK, BK, or BKP	Commerical	yes	Standard KEMET Part Number, e.g., FBMJ3216HL330TK	No option - not available
	Wound Chip Type		LB, LBMF, BC, CBMF, BRL, NR Series	Commercial	yes	Standard KEMET Part Number, e.g., NR4012T100MK	No option - not available

¹Criteria for End of Life Vehicles (ELV) per EU Direction 2000/53/EC. Criteria for Restriction on the use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) per EU Directive 2002/95/EC as amended by 2005/618/EC requiring at the homogeneous level: 1000 PPM maximum content for Lead, Hexavalent Chromium, Mercury, PBD, and PBDE and 100 PPM maximum content for Cadmium, unless covered under exemption in Annex 1.