Eco-Products “GeoCap”

Nichicon promotes environmentally conscious practices.

Nichicon offers “GeoCap”,which has completely lead free terminals and contains no polyvinyl chloride in the sleeve.

■ Conductive Polymer Aluminum Solid Electrolytic Capacitors

Type・Classification	Type・Series	Lead-Free Compliance	Anti Polyvinyl Chloride Compliance
Surface Mount type	PCF*, PCJ, PCK*, PCG, PCS*, PCL, PCW, PCV*, PCX*, PCR, PCA, PCM, PCH, PCZ	Complied	Complied
Radial Lead type	PLF, PLG, PLS, PLX		

■ Conductive Polymer Aluminum Solid Electrolytic Capacitors(FPCAP)

Type・Classification	Type・Series	Lead-Free Compliance	Anti Polyvinyl Chloride Compliance
Surface Mount type	RPS*, RPA*, RHS*, RHA*, RSS*, RSA*, RSB*, RFS*, RFA*, RSL*, RDS, RKS	Complied	Complied
Radial Lead type	RNS, RR7, RR5, RL8, RE5, RS8, RF8, RNU, RNE, RNL, RS6, RHT		

■ Conductive Polymer Hybrid Aluminum Electrolytic Capacitors

Type・Classification	Type・Series	Lead-Free Compliance	Anti Polyvinyl Chloride Compliance
Surface Mount type	GYA, GYB, GYC, GYD, GYE, GYF, GXC	Complied	Complied

■ Aluminum Electrolytic Capacitors

Type・Classification		Type・Series	Lead-Free Compliance	Anti Polyvinyl Chloride Compliance
Surface Mount type		UZG, UZT*, UCW, UCD, UCL, UCM, UCK, UCV, UUD, UWD, UCJ*, UCZ, UYA, UCH, UCX, UUJ, UUE*, UBC, UBH	Complied	Complied
		UWP, UWT, UWZ, UWG, UUP, UUA, UUL, UUB, UWH, ULT, ULH, UUX, ULR, ULV, UUQ, UCQ, UUG, UUN		
Radial Lead type	Standard type	UVK*, UVR*, UVC*, UVY, UVZ*, URS*, URZ, UVP*, UEP		
	High Reliability type	UPM*, UPW, UPA*, UHV*, UHD*, UHE*, UHW, UPJ*, UPS*, UPV*, UPT, UTH, UPZ, UPH*, UCP, ULD, UCS, UCY, UBT, UBW, UBY, UXY, UBX		
	For special Circuits	UAS		
	For Audio Equipment	UKA, UKT*, UKW*,UFW*, UES*		
Snap-in Terminal type	Standard type	LLS, LLG		
	High Reliability type	LGU*, LGN, LGG, LGL, LGM, LGJ*, LGJ(15)*, LGY*, LGR, LGZ, LGX, LGC, LGW, LHT, LHX		
	For special circuits	LAK*, LAQ*, LAS*, LAR*, LQS		
Screw Terminnal type		LNR*, LNX*, LNK*, LNC, LQR*, LNY, LNT*, LNU*		Available upon request
For Audio Equipment		LKX		Complied

Please refer to our website for the details of the series described as “WEB” or ＊mark

Corresponding to RoHS Directive

		Conductive Polymer Aluminum Solid Electrolytic Capacitors				Conductive Polymer Aluminum Solid Electrolytic Capacitors(FPCAP)		Conductive Polymer Hybrid Aluminum Electrolytic Capacitors
		SMD type (PCV, PCX, PCR, PCA, PCM, PCH, PCZ)	Lead wire terminal type (PLX)	SMD type (PCF, PCJ, PCK, PCG, PCS, PCL, PCW)	Lead wire terminal type (except PLX)	SMD type	Lead wire terminal type	SMD type
Corresponding to RoHS Directive		Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).						
Material	The portion of the components							
Lead (Pb)	Plating on terminals	Sn plating		Ag plating		Sn plating	Sn plating	Sn plating
	Insulating Sleeves	Does not contain				Does not contain		Does not contain
	Construction of terminals	Fe/Cu/Sn		Fe/Cu/Ag or Cu/Ag		Cu/Sn	Cu/Sn or Fe/Cu/Sn	Fe/Cu/Sn
	Resistance to soldering heat	Please refer to recommended conditions of soldering by reflow.	Correspondence to 265°C flow soldering condition	Please refer to recommended conditions of soldering by reflow.	Correspondence to 265°C flow soldering condition	Please refer to recommended conditions of soldering by reflow (FPCAP).	Correspondence to 260°C flow soldering condition	Please refer to recommended conditions of soldering by reflow.
	Solderability Tensile strength	No significant solderability difference between Sn-Ag-Cu and Sn-Pb solder.				No significant solderability difference between Sn-Ag-Cu and Sn-Pb solder.		No significant solderability difference between Sn-Ag-Cu and Sn-Pb solder.
Chromium (VI)	Plating material	Does not contain				Does not contain		Does not contain
Mercury Cadmium PBB, PBDE DIBP, DBP, BBP, DEHP		Does not contain				Does not contain		Does not contain
Identification for RoHS compliance parts		Add "Pb free" marking on outer carton label				Add "Pb free" marking on outer carton label		Add "Pb free" marking on inner and outer carton label
MSL (IPC/JEDEC J-STD-020)		Not Applicable				Not Applicable		Not Applicable

		Aluminum Electrolytic Capacitors			
		SMD type	Lead wire terminal type	Snap-in terminal type	Screw terminal type
Corresponding to RoHS Directive		Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).			
Material	The portion of the components				
Lead (Pb)	Plating on terminals	(< or=Dia.10mm) Change plating from Sn-Pb toSn-Bi (> or=Dia.12.5mm) Change plating from Sn-Pb to Sn	Change plating from Sn-Pb to Sn		Al
	Insulating Sleeves	No used	Replaced with PET		—
	Construction of terminals	Fe/Cu/Sn-1.5Bi (<or=Dia 10mm) Fe/Cu/Sn (>or=Dia 12.5mm)	Fe/Cu/Sn		Al
			Cu/Sn (UES)	—	
		Plating thickness 12μm Plating type matte No heat treatment after plating		Plating thickness 10μm Plating type matte No heat treatment after plating	—
	Resistance to soldering heat	Please refer to recommended conditions of soldering by reflow.	Correspondence to 260°C flow soldering condition		Not Applicable
	Solderability Tensile strength	No significant solderability difference between Sn-Ag-Cu and Sn-Pb solder.			—
Chromium (VI)	Plating material	Does not contain			Available (Chromium(VI) contained in the plating of fixtures)
Mercury Cadmium PBB, PBDE DIBP, DBP, BBP, DEHP		Does not contain			
Identification for RoHS compliance parts		Part numbers are changed Add "Pb-free" marking on inner and outer carton label.	Part numbers are changed Add "Pb-free" and "PVCless" marking on inner and outer carton label.		Part numbers are changed Add "RoHS" marking on outer carton label.
MSL (IPC/JEDEC J-STD-020)		Not Applicable			