#### 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	Page
Surface Mount type	Surface Mount type PCF*, PCJ, PCK*, PCG, PCS*, PCL, PCW, PCV*, PCX*, PCR, PCA, PCM, PCH, PCZ		Complied	40 ~
Radial Lead type	PLF, PLG, PLS, PLX			WEB

#### Conductive Polymer Aluminum Solid Electrolytic Capacitors(FPCAP)

Type · Classification	Type • Series	Lead-Free Compliance	Anti Polyvinyl Chloride Compliance	Page
Surface Mount type	RPS*, RPA*, RHS*, RHA*, RSS*, RSA*, RSB*, RFS*, RFA*, RSL*, RDS, RKS	Complied	Complied	58 ~
Radial Lead type	Radial Lead type RNS, RR7, RR5, RL8, RE5, RS8, RF8, RNU, RNE, RNL, RS6, RHT		Complied	WEB

#### Conductive Polymer Hybrid Aluminum Electrolytic Capacitors

Type · Classification	Type · Series	Lead-Free Compliance	Anti Polyvinyl Chloride Compliance	Page
Surface Mount type	GYA, GYB, GYC, GYD, GYE, GYF, GXC	Complied	Complied	74 ~

#### Aluminum Electrolytic Capacitors

Type・Cla	assification	Type · Series	Lead-Free Compliance	Anti Polyvinyl Chloride Compliance	Page
Surface Mount type		UZG, UZT*, UCW, UCD, UCL, UCM, UCK, UCV, UUD, UWD, UCJ*, UCZ, UYA, UCH, UCX, UUJ, UUE*, UBC, UBH			90 ~
		UWP, UWT, UWZ, UWG, UUP, UUA, UUL, UUB, UWH, ULT, ULH, UUX, ULR, ULV, UUQ, UCQ, UUG, UUN			WEB
	Standard type	UVK*, UVR*, UVC*, UVY, UVZ*, URS*, URZ, UVP*, UEP			129 ~
Radial Lead type	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		Complied	138 ~
	For special Circuits	UAS	Complied		182
	For Audio Equipment	UKA, UKT*, UKW*,UFW*, UES*			184 ~
	Standard type	LLS, LLG			WEB
Snap-in Terminal type	High Reliability type LGU <sup>*</sup> , LGN, LGG, LGL, LGM, LG LGJ <sub>(15)</sub> <sup>*</sup> , LGY <sup>*</sup> , LGR, LGZ, LGX, LGC, LGW, LHT, LHX				187 ~
	For special circuits	LAK*, LAQ*, LAS*, LAR*, LQS			208 ~
Screw Terminnal type		LNR*, LNX*, LNK*, LNC, LQR*, LNY, LNT*, LNU*		Available upon request	210 ~
For Audio Equipment		LKX		Complied	WEB

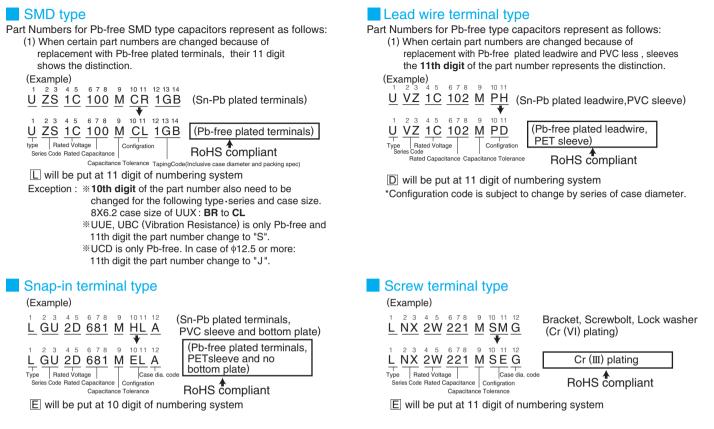
Please refer to our website for the details of the series described as "WEB" or \*mark

# Corresponding to RoHS Directive

		Conductive Polymer Aluminum Solid Electrolytic Capacitors			m S	Conductive Poly Solid Electrolytic	ymer Aluminum 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
Correspondin	g to RoHS Directive				Compliant to t	he RoHS directive (2011/65/EU,(E	EU)2015/863).	
Material	The portion of the components							
	Plating on terminals	inals Sn plating Ag plating		Sn plating	Sn plating	Sn plating		
	Insulating Sleeves		Does no	t contain		Does no	t contain	Does not contain
Lead (Pb)	Construction of Fe/Cu/Sn terminals		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 solderab Sn-Ag-Cu and		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		Does not contain		Does not contain		Does not contain		
PBB, PBDE DIBP, DBP, BBP, DEHP		Does not contain				Does not contain		
Identificati complianc	ion for RoHS ce parts	Add "Pb free" marking on outer carton label			label	Add "Pb free" markinç	j on outer carton label	Add "Pb free" marking on inner and outer carton label
MSL (IPC/JEDE	EC J-STD-020)	Not Applicable Not Applicable		Not Applicable			Not Applicable	

		SMD type	Screw terminal type					
Correspondin	ig to RoHS Directive	Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).						
Material	The portion of the components							
	Plating on terminals	(< or=Dia.10mm) Change plating from Sn-Pb toSn-Bi	Change plating f					
	Flating on terminals	(> or=Dia.12.5mm) Change plating from Sn-Pb to Sn	Change plating f	AI				
	Insulating Sleeves	No used	Replaced	with PET				
		Fe/Cu/Sn-1.5Bi ( <or=dia 10mm)<="" td=""><td>Fe/C</td><td colspan="3">Fe/Cu/Sn</td></or=dia>	Fe/C	Fe/Cu/Sn				
Lead	Construction of terminals	Fe/Cu/Sn (>or=Dia 12.5mm)	Cu/Sn (UES)	_	AI			
(Pb)		Plating thickn Plating type n treatment afte	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			_				
Chromium (VI)	Plating material		Available (Chromium(VI)contained in the plating of fixtures)					
Mercury								
Cadmium		Does not contain						
PBB, PBDE DIBP, DBP, BBP, DEHP								
Identification for RoHS compliance parts		Part numbers are changed Add "Pb-free" marking on inner and outer carton label.	nanged 'PVCless" id outer carton label.	Part numbers are changed Add "RoHS" marking on outer carton label.				
MSL (IPC/JEDE	EC J-STD-020)	Not Applicable						

### Part Numbering for Pb-free Aluminum Electrolytic Capacitors



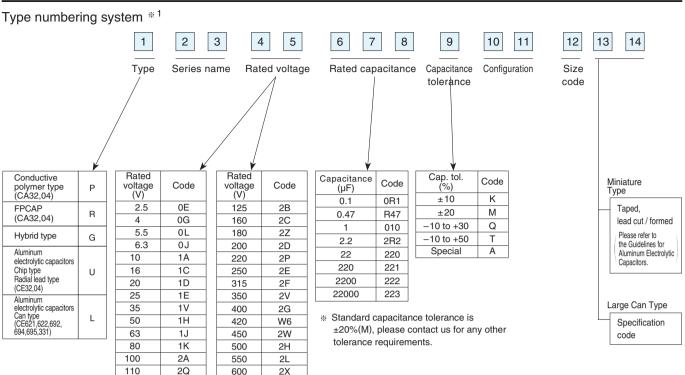
#### Information about "China RoHS 2"

CONDUCTIVE POLYMER ALUMINUM SOLID ELECTROLYTIC CAPACITORS, CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS ALUMINUM ELECTROLYTIC CAPACITORS

		Hazardous Substances						
{e}	Туре	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (CrVI)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)	
	P, R, G, U, L	0	0	0	0	0	0	
	This table is prepared in accordance with the provision of SJ/T 11364.							

the amount of the hazardous substance indicated inside the homogeneous materials used for this part is below the limit requirement of GB/T 26572
the amount of the hazardous substance indicated inside at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572

## ALUMINUM ELECTROLYTIC CAPACITORS



\* 1 Please contact us about the FPCAP part number.

Product type and series names are listed on the top left of the individual specification pages.

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