

Matsuo's Compliance with RoHS Directive and Lead-free

		Solid Tantalum Capacitors							
		Epoxy Molding Chip				Epoxy Dipping	Epoxy Molding		
		Type 251 Face-down terminals	Built-in fuse		Type 267,271,281	Type TCA,TCB Conductive polymer	Type 204 (Identification by PN※1)	Type 247 (Identification by PN※1)	
			Type 269	Type 279					
Compliance with RoHS Directive		Compliant	—	Compliant	Compliant	Compliant	Compliant	Compliant	
Certain Hazardous Substances	Lead(Pb)	Terminals	Compliant (Sn plating)						
		Inner Part	Compliant	※2 Not compliant	Compliant	Compliant	Compliant	Compliant	Compliant
	Hexavalent chromium(Cr6+)		Compliant						
	Mercury (Hg)		Compliant						
	Cadmium (Cd)		Compliant						
	PBB (Polybrominated biphenyls)		Compliant						
	PBDE (Polybrominated diphenyl ether)		Compliant						
	DEHP (Bis(2-ethylhexyl) phthalate)		Compliant						
	DBP (Dibutyl phthalate)		Compliant						
	BBP (Butyl benzyl phthalate)		Compliant						
DIBP (Diisobutyl phthalate)		Compliant							

Note

A) ※1 : Regarding identification and part numbers for Type 204 and 247, please ask our sales department.

B) ※2 : Type 269 is Fused Tantalum capacitors.

Fuse element includes lead-based alloys containing 85% by weight or more lead which are exemptions from the RoHS Directive.

There is an expiration date of exemptions. Please check the latest official information.

C) As for other details, Please inquire with our sales department.

Overseas Sales : 81-1-6-6332-0883

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		Film Capacitors		
		Epoxy Dipping	Metalized Film	
		501,503 602,801,802	431,431A 432,553	
Compliance with RoHS Directive		Compliant	To be compliant※3	
Certain Hazardous Substances	Lead(Pb)	Terminals	Compliant (Sn plating)	
		Inner Part	Compliant	To be compliant※3
	Hexavalent chromium(Cr6+)		Compliant	
	Mercury (Hg)		Compliant	
	Cadmium (Cd)		Compliant	
	PBB (Polybrominated biphenyls)		Compliant	
	PBDE (Polybrominated diphenyl ether)		Compliant	
	DEHP (Bis(2-ethylhexyl) phthalate)		Compliant	
	DBP (Dibutyl phthalate)		Compliant	
	BBP (Butyl benzyl phthalate)		Compliant	
	DIBP (Diisobutyl phthalate)		Compliant	

Circuit Protection Components			
Micro Fuse (Wire Element)	Micro Fuse (Thin Film)	High Current Micro Fuse	Surge Absorber
JAE,JAG,JAGN JAH,JAHL	KAB,KABT,KAH KABM,KABN	JAJ,JAK,JHC	KVA,KVAN
Compliant	Compliant	Compliant	Compliant
Compliant (Sn plating)			
Compliant		Compliant	Compliant
Compliant			
Compliant			
Compliant			
Compliant			
Compliant			
Compliant			
Compliant			
Compliant			

Note

- A) ※3 : Regarding Pb free of "Metalized Film", please ask our sales department.
 - B) As for other details, please ask your sales department.
- Oversea Sales : 81-1-6-6332-0883