

To Our Customers

## Survey report about SVHC 223

1. The capacitor types / series shown in Table-1 do not contain SVHC 223 substances at a concentration of 0.1 wt% or higher.

Table-1: SVHC 223 Non-contained product list

Type of capacitors	Series
Large Can Aluminum Electrolytic Capacitors (Snap-in Terminal Type, For Audio Equipment)	ALL
Conductive Polymer Aluminum Solid Electrolytic Capacitors	R**
Electric Double Layer Capacitors (Snap-in Terminal Type)	JJC
Plastic Film Capacitors	QXK-(ZH),QXK,QXP,QXT,QXL,QAK,QAP

2. The capacitor types / series shown in Table 2 contain SVHC 223 substances at a concentration of 0.1 wt% or more.

Table-2: SVHC 223 contained product list

Type of capacitors	Series	SVHC	CAS No. [Decision No.]	Material name that contains SVHC
Chip Aluminum Electrolytic Capacitors	ALL	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [DBMC]	119-47-1 [D(2021)10043-DC]	Rubber end seal
Miniature Aluminum Electrolytic Capacitors	ALL	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [DBMC]	119-47-1 [D(2021)10043-DC]	Rubber end seal
Conductive Polymer Hybrid Aluminum Electrolytic Capacitors	ALL	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [DBMC]	119-47-1 [D(2021)10043-DC]	Rubber end seal
Conductive Polymer Aluminum Solid Electrolytic Capacitors	P**	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [DBMC]	119-47-1 [D(2021)10043-DC]	Rubber end seal
Electric Double Layer Capacitors	JUM,JUW, JUK,JUA	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [DBMC]	119-47-1 [D(2021)10043-DC]	Rubber end seal
Aluminum Electrolytic Capacitors (Screw terminal type)	LNR,LNX,LNK,LNC, LQR,LNY,LNT,LNU	Bis(2-ethylhexyl) phthalate [DEHP](※1)	117-81-7 [ED/67/2008]	Sleeve (PVC)
Electric Double Layer Capacitors (Screw terminal type)	JJD,JJL	Bis(2-ethylhexyl) phthalate [DEHP](※1)	117-81-7 [ED/67/2008]	Sleeve (PVC)
Plastic Film Capacitors	QYX	4,4'-Diaminodiphenylmethane / 4,4'-Methylenedianiline[MDA]	101-77-9 [ED/67/2008]	Coating resin
	EEC(※2)	Dibutyl phthalate[DBP]	84-74-2 [ED/67/2008]	Coating resin
	EEN(※3)	Dibutyl phthalate[DBP]	84-74-2 [ED/67/2008]	Coating resin

(※1) DEHP is not contained from the product in January 2017.

(※2) DBP is not contained from the product in January 2019 .

(※3) Please contact us details.

The packaging material do not contain SVHC 223 substances at a concentration of 0.1 wt% or higher.  
For the other products such as customized capacitors and function modules, please contact us separately.

Our products: Standard capacitors listed in catalogue No. CAT.8100K (English version), CAT.1000J(Japanese version)  
SVHC 223: 223 substances published by January 17, 2022 from ECHA (European Chemical Agency) as substances of very high concern (SVHC) in accordance with Article 59 (10) of the REACH Regulation.

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Signature