

To Our Customers

Survey report about SVHC 233

1. The capacitor types / series shown in Table-1 do not contain SVHC 233 substances at a concentration of 0.1 wt% or higher.

Table-1: SVHC 233 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 233 substances at a concentration of 0.1 wt% or more.

Table-2: SVHC 233 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

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

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

For the other products such as customized capacitors and function modules, please contact us separately.

Our products: Standard capacitors listed in catalogue No. CAT.8100L (English version), CAT.1000K(Japanese version)
SVHC 233: 233 substances published by January 17th, 2023 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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Date: March 30th, 2023

Signature

