

■ Conforming to environment

We encourage activities for protecting global environment. All our products are lead-free. The sleeve material is PET or sleeve-less(HEH). Please contact us if details are required.

■ Environmental Products (Compliance of RoHS Directive)

Type code	Surface Mount Type Aluminum Electrolytic Capacitors		Radial Lead Type Aluminum Electrolytic Capacitors	
	CE, HV★1 (φ4 to φ12.5)	CE_T (φ16, φ18)	ME	HE_T
Kind of plating				
Part number (example)	10CE100BS (100μF/10V)	10CE4700BST (4700μF/10V)	10ME100AX (100μF/10V)	63HEH10MT (10μF/63V)
Sleeve	Not used	Not used	PET	Not used
Moisture Sensitivity Level (MSL)★2	Not applicable No need dry package	Not applicable No need dry package	Not applicable No need dry package	Not applicable No need dry package

★1 Sn plating lead-wire for Surface Mount Type : "CE_T", "HV_T"
 ★2 Conforming to IPC/JEDEC J-STD-020C

■ Conforming to European REACH Regulation.

Our products are "articles without any intended releas" based on RIP3.8TGD published on 26 May 2008. They are not applicable for "Registration" for European REACH Regulation Article 7 (1).

■ Intellectual Property Rights

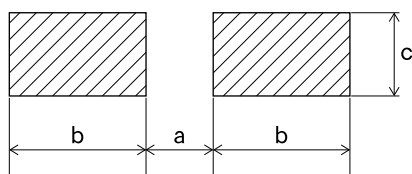
We proactively work on protecting the intellectual property rights of our products.

Examples of the patents related to our aluminum electrolytic capacitors with hybrid conductive polymer (**EP-cap**).

- JP. Pat. No.3459547, JP. Pat. No.3851294, JP. Pat. No.4916416
- US. Pat. No.7497879, US. Pat. No.7859829, US. Pat. No.7872858

■ Surface Mount Type Recommended Land Pattern

● Land pattern



Size	a	b	c
φ4	1.0	2.6	1.8
φ5	1.4	3.0	1.8
φ6.3	1.8	3.6	1.8
φ8	2.8	4.1	2.1
φ10	4.3	4.4	2.5
φ12.5	4.3	5.8	2.5
φ16	6.6	6.5	5.0
φ18	6.6	7.7	5.0

- (1)Please refer to page 16 for S.M.T Recommended Land Pattern of Anti-vibration Structure(CA Type-HA Type) .
- (2)Please make your land pattern area as large as possible to prevent a large surface mount type from peeling off a circuit board for anti-vibration.