

### RoHS Compliance

The environmental products do not use any of the following substances regulated by RoHS directive, in the materials (homogeneous materials).

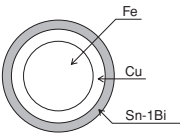
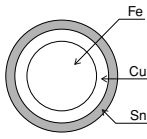
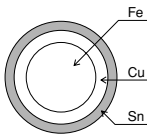
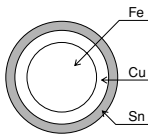
Restricted substances by RoHS directive

- Lead (Pb) and it's compounds
- Cadmium (Cd) and it's compounds
- Mercury (Hg) and it's compounds
- Hexavalent chromium (Cr VI) compounds
- Polybrominated biphenyls (PBBs)
- Polybrominated diphenyl ethers (PBDEs)

### We promote the activities which are considered for ecology.

The environmental products are available with Pb-free products which don't include Pb in terminals of main body and PVC-free products which don't include exterior materials. Please contact us about the specification etc.

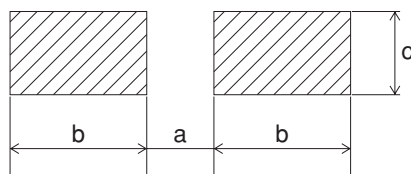
Environmental Products (Compliance of RoHS Directive)

Type code	Surface Mount Type Aluminum Electrolytic Capacitors		Radial Lead Type Aluminum Electrolytic Capacitors	
	CE	CE_T	ME	MB
Kind of coat	Sn-1Bi ( $\phi$ 3 to $\phi$ 12.5) 	Sn ( $\phi$ 16) 	Sn 	Sn 
Model No. (example)	10CE100BS (100 $\mu$ F/10V)	10CE4700BST (4700 $\mu$ F/10V)	10ME100AX (100 $\mu$ F/10V)	10MB100UWG (100 $\mu$ F/10V)
Sleeve	No used	No used	PET	No used
Moisture Sensitivity Level (MSL)*	Not applicable No need dry package	Not applicable No need dry package	Not applicable No need dry package	Not applicable No need dry package

(★Conform to IPC/JEDEC J-STD-020C)

### Surface Mount Type Recommended Land Pattern

land pattern



(Unit:mm)

Size	a	b	c
$\phi$ 3	0.8	2.2	1.7
$\phi$ 4	1.0	2.6	1.8
$\phi$ 5	1.4	3.0	1.8
$\phi$ 6.3	2.1	3.5	1.8
$\phi$ 8	2.8	4.1	2.1
$\phi$ 10	4.3	4.4	2.5
$\phi$ 12.5	4.3	5.8	2.5
$\phi$ 16	6.6	6.5	5.0

When using large surface mount capacitor, please design possibly larger land pattern area than the recommended pattern dimension in order to increase vibration resistance and avoid to falling off a circuit board.