

## Environment friendly capacitors

Nippon Chemi-Con has been taking proactive approaches toward developing and marketing less environmentally-load products in response to the international efforts for reducing hazardous substances and to the regulations. Nippon Chemi-Con had already abolished 4 additional substances, which will be prohibited from July 2019 in accordance with revised RoHS directive (2011/65/EU), by innovating alternative materials of the outer tube.

RoHS2 Compliant : Compliant to the 2011/65/EU and the revisions (2015/863/EU)

ELV Compliant : Compliant to the 2000/53/EC and the revisions (2016/774/EU)

Please contact us for more information about "Halogen-free specification".

### ◆Pb-free and Non-PVC Products

#### 1. Lead wire (Plating)

Category		Plating material on lead wires	
Conductive Polymer Aluminum Solid Capacitors	Resin-Molded Chip	Sn	
	Chip	Sn-Bi	
	Radial	Sn	
Conductive Polymer Hybrid Aluminum Electrolytic Capacitors	Chip	Sn-Bi	
	Radial	Sn	
Aluminum Electrolytic Capacitors	Chip	case code : D55 to JA0	Sn-Bi
		case code : KE0 to MN0	Sn
	Radial	case dia : to $\phi$ 8	Sn-Bi
		case dia : $\phi$ 10 to	Sn
	Snap-in	Sn	
	Screw-Mount	Originally lead-free	

\*Please consult with us when you need "Pb-free parts" other than the above mentioned terminal plating materials.

(Note) Sn : Tin, Bi : Bismuth

#### 2. Sleeve

Category		Sleeve material	
Conductive Polymer Aluminum Solid Capacitors	Resin-Molded Chip	Sleeveless (Resin-Molded case)	
	Chip	Sleeveless (Coating case)	
	Radial	Sleeveless (Coating case)	
Conductive Polymer Hybrid Aluminum Electrolytic Capacitors	Chip	Sleeveless (Coating case)	
	Radial	Sleeveless (Coating case)	
Aluminum Electrolytic Capacitors	Chip	Sleeveless (Coating case)	
	Radial	$\phi$ 8 $\times$ 5L	Sleeveless (Coating case)
		except $\phi$ 8 $\times$ 5L	PET
	Snap-in	PET	
Screw-Mount	PVC		

\*Please consult with us when you need "Non-PVC parts" other than the above mentioned outer sleeve materials.

The colors of a PET sleeve are "Black", "Brown", and "Dark blue".

Standard designs of "Pb-free" Snap-in type are not equipped with a plastic disc.

Please consult with us when you need nonflammable grade for outer sleeve material.

Identification of friendly parts is given by a supplement code (18th digit) of the part number.

For details, please refer to "Product code guide" for each type.