

# AJ Series

- The high-quality sound design that realized relaxed rich representation
- Suitable for AV receiver/Amplifier for the home theater use.
- Non solvent resistant type
- RoHS2 Compliant

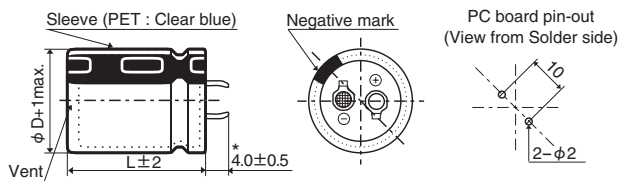


## SPECIFICATIONS

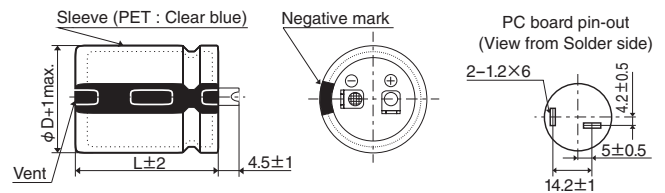
Items	Characteristics			
Category	-40 to +85°C			
Temperature Range	-40 to +85°C			
Rated Voltage Range	25 to 125V <sub>dc</sub>			
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)			
Leakage Current	I=0.02CV or 3mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)			
Dissipation Factor (tan δ)	Rated voltage (V <sub>dc</sub> )	25V	35 to 63V	71 to 125V
	tan δ (Max.)	0.35	0.30	0.25
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V <sub>dc</sub> )	25V	35 to 63V	71 to 125V
	Z(-25°C)/Z(+20°C)	4	3	4
	Z(-40°C)/Z(+20°C)	15	10	15
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1,000 hours at 85°C.			
Shelf Life	Capacitance change	≤ ±20% of the initial value		
	D.F. (tan δ)	≤200% of the initial specified value		
	Leakage current	≤The initial specified value		
	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.			
Shelf Life	Capacitance change	≤ ±20% of the initial value		
	D.F. (tan δ)	≤200% of the initial specified value		
	Leakage current	≤The initial specified value		

## DIMENSIONS[mm]

● Terminal Code : VS (φ 22 to φ 35) : Standard



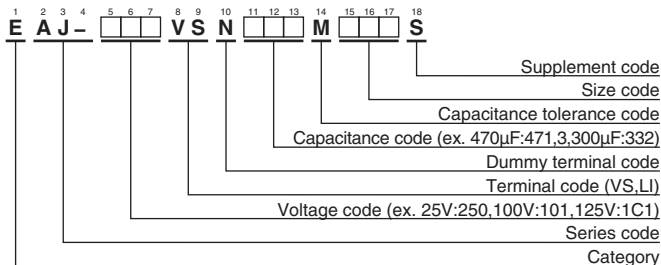
● Terminal Code : LI (φ 35)



\* φD=35mm : 3.5±0.5mm

The standard design has no plastic disc.

## PART NUMBERING SYSTEM



Please refer to "Product code guide (snap-in type)"



## AJ Series

### ◆ STANDARD RATINGS

WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.	WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
25	3,300	22 × 25	0.35	EAJ-250VSN332MP25S	42	4,700	22 × 45	0.30	EAJ-420VSN472MP45S
	3,900	22 × 25	0.35	EAJ-250VSN392MP25S		4,700	25.4 × 35	0.30	EAJ-420VSN472MQ35S
	4,700	22 × 30	0.35	EAJ-250VSN472MP30S		4,700	30 × 30	0.30	EAJ-420VSN472MR30S
	5,600	22 × 30	0.35	EAJ-250VSN562MP30S		4,700	35 × 25	0.30	EAJ-420VSN472MA25S
	6,800	22 × 35	0.35	EAJ-250VSN682MP35S		5,600	22 × 50	0.30	EAJ-420VSN562MP50S
	6,800	25.4 × 30	0.35	EAJ-250VSN682MQ30S		5,600	25.4 × 40	0.30	EAJ-420VSN562MQ40S
	6,800	30 × 25	0.35	EAJ-250VSN682MR25S		5,600	30 × 35	0.30	EAJ-420VSN562MR35S
	8,200	22 × 40	0.35	EAJ-250VSN822MP40S		5,600	35 × 25	0.30	EAJ-420VSN562MA25S
	8,200	25.4 × 35	0.35	EAJ-250VSN822MQ35S		6,800	25.4 × 50	0.30	EAJ-420VSN682MQ50S
	8,200	30 × 30	0.35	EAJ-250VSN822MR30S		6,800	30 × 40	0.30	EAJ-420VSN682MR40S
	10,000	22 × 45	0.35	EAJ-250VSN103MP45S		6,800	35 × 30	0.30	EAJ-420VSN682MA30S
	10,000	25.4 × 40	0.35	EAJ-250VSN103MQ40S		8,200	25.4 × 60	0.30	EAJ-420VSN822MQ60S
	10,000	30 × 30	0.35	EAJ-250VSN103MR30S		8,200	30 × 45	0.30	EAJ-420VSN822MP45S
	10,000	35 × 25	0.35	EAJ-250VSN103MA25S		8,200	35 × 35	0.30	EAJ-420VSN822MA35S
	12,000	22 × 50	0.35	EAJ-250VSN123MP50S		10,000	30 × 50	0.30	EAJ-420VSN103MA40S
	12,000	25.4 × 45	0.35	EAJ-250VSN123MQ45S		10,000	35 × 40	0.30	EAJ-420VSN103MA40S
	12,000	30 × 35	0.35	EAJ-250VSN123MR35S		12,000	30 × 50	0.30	EAJ-420VSN123MP50S
	12,000	35 × 30	0.35	EAJ-250VSN123MA30S		12,000	35 × 45	0.30	EAJ-420VSN123MA45S
	15,000	25.4 × 50	0.35	EAJ-250VSN153MQ50S		15,000	35 × 50	0.30	EAJ-420VSN153MA50S
	15,000	30 × 40	0.35	EAJ-250VSN153MR40S		18,000	35 × 60	0.30	EAJ-420VSN183MA60S
15,000	35 × 35	0.35	EAJ-250VSN153MA35S	1,000	22 × 25	0.30	EAJ-560VSN102MP25S		
18,000	25.4 × 60	0.35	EAJ-250VSN183MQ60S	1,200	22 × 30	0.30	EAJ-560VSN122MP30S		
18,000	30 × 45	0.35	EAJ-250VSN183MR45S	1,500	22 × 30	0.30	EAJ-560VSN152MP30S		
18,000	35 × 35	0.35	EAJ-250VSN183MA35S	1,800	22 × 35	0.30	EAJ-560VSN182MP35S		
22,000	30 × 50	0.35	EAJ-250VSN223MR50S	2,200	22 × 35	0.30	EAJ-560VSN222MP35S		
22,000	35 × 40	0.35	EAJ-250VSN223MA40S	2,200	25.4 × 30	0.30	EAJ-560VSN222MQ30S		
27,000	30 × 55	0.35	EAJ-250VSN273MR55S	2,700	22 × 40	0.30	EAJ-560VSN272MP40S		
27,000	35 × 50	0.35	EAJ-250VSN273MA50S	2,700	25.4 × 35	0.30	EAJ-560VSN272MQ35S		
33,000	35 × 55	0.35	EAJ-250VSN333MA55S	3,300	22 × 45	0.30	EAJ-560VSN332MP45S		
39,000	35 × 60	0.35	EAJ-250VSN393MA60S	3,300	25.4 × 40	0.30	EAJ-560VSN332MQ40S		
35	2,200	22 × 25	0.30	EAJ-350VSN222MP25S	3,300	30 × 30	0.30	EAJ-560VSN332MR30S	
	2,700	22 × 25	0.30	EAJ-350VSN272MP25S	3,900	22 × 50	0.30	EAJ-560VSN392MP50S	
	3,300	22 × 30	0.30	EAJ-350VSN332MP30S	3,900	25.4 × 40	0.30	EAJ-560VSN392MQ40S	
	3,300	25.4 × 25	0.30	EAJ-350VSN332MQ25S	3,900	30 × 35	0.30	EAJ-560VSN392MR35S	
	3,900	22 × 35	0.30	EAJ-350VSN392MP35S	3,900	35 × 30	0.30	EAJ-560VSN392MA30S	
	3,900	25.4 × 25	0.30	EAJ-350VSN392MQ25S	4,700	25.4 × 45	0.30	EAJ-560VSN472MQ45S	
	4,700	22 × 35	0.30	EAJ-350VSN472MP35S	4,700	30 × 40	0.30	EAJ-560VSN472MR40S	
	4,700	25.4 × 30	0.30	EAJ-350VSN472MQ30S	4,700	35 × 30	0.30	EAJ-560VSN472MA30S	
	5,600	22 × 40	0.30	EAJ-350VSN562MP40S	5,600	25.4 × 55	0.30	EAJ-560VSN562MQ55S	
	5,600	25.4 × 35	0.30	EAJ-350VSN562MP35S	5,600	30 × 45	0.30	EAJ-560VSN562MR45S	
	5,600	30 × 30	0.30	EAJ-350VSN562MR30S	5,600	35 × 35	0.30	EAJ-560VSN562MA35S	
	6,800	22 × 45	0.30	EAJ-350VSN682MP45S	6,800	25.4 × 60	0.30	EAJ-560VSN682MQ60S	
	6,800	25.4 × 40	0.30	EAJ-350VSN682MQ40S	6,800	30 × 50	0.30	EAJ-560VSN682MR50S	
	6,800	30 × 30	0.30	EAJ-350VSN682MR30S	6,800	35 × 40	0.30	EAJ-560VSN682MA40S	
	8,200	25.4 × 45	0.30	EAJ-350VSN822MQ45S	8,200	30 × 55	0.30	EAJ-560VSN822MR55S	
	8,200	30 × 35	0.30	EAJ-350VSN822MR35S	8,200	35 × 45	0.30	EAJ-560VSN822MA45S	
	8,200	35 × 30	0.30	EAJ-350VSN822MA30S	10,000	30 × 60	0.30	EAJ-560VSN103MR60S	
	10,000	25.4 × 50	0.30	EAJ-350VSN103MQ50S	10,000	35 × 50	0.30	EAJ-560VSN103MA50S	
	10,000	30 × 40	0.30	EAJ-350VSN103MR40S	12,000	30 × 60	0.30	EAJ-560VSN123MR60S	
	10,000	35 × 35	0.30	EAJ-350VSN103MA35S	12,000	35 × 55	0.30	EAJ-560VSN123MA55S	
12,000	25.4 × 55	0.30	EAJ-350VSN123MQ55S	15,000	35 × 60	0.30	EAJ-560VSN153MA60S		
12,000	30 × 45	0.30	EAJ-350VSN123MR45S	1,000	22 × 25	0.30	EAJ-630VSN102MP25S		
12,000	35 × 35	0.30	EAJ-350VSN123MA35S	1,200	22 × 30	0.30	EAJ-630VSN122MP30S		
15,000	30 × 50	0.30	EAJ-350VSN153MR50S	1,500	22 × 30	0.30	EAJ-630VSN152MP30S		
15,000	35 × 40	0.30	EAJ-350VSN153MA40S	1,800	22 × 35	0.30	EAJ-630VSN182MP35S		
18,000	30 × 55	0.30	EAJ-350VSN183MR55S	1,800	25.4 × 30	0.30	EAJ-630VSN182MQ30S		
18,000	35 × 45	0.30	EAJ-350VSN183MA45S	2,200	22 × 40	0.30	EAJ-630VSN222MP40S		
22,000	35 × 55	0.30	EAJ-350VSN223MA55S	2,200	25.4 × 35	0.30	EAJ-630VSN222MQ35S		
42	1,800	22 × 25	0.30	EAJ-420VSN182MP25S	63	2,200	30 × 30	0.30	EAJ-630VSN222MR30S
	2,200	22 × 25	0.30	EAJ-420VSN222MP25S		2,700	22 × 45	0.30	EAJ-630VSN182MP45S
	2,700	22 × 30	0.30	EAJ-420VSN272MP30S		2,700	25.4 × 40	0.30	EAJ-630VSN272MQ40S
	2,700	25.4 × 25	0.30	EAJ-420VSN272MQ25S		2,700	30 × 30	0.30	EAJ-630VSN272MR30S
	3,300	22 × 35	0.30	EAJ-420VSN332MP35S		3,300	25.4 × 45	0.30	EAJ-630VSN332MQ45S
	3,300	25.4 × 30	0.30	EAJ-420VSN332MQ30S		3,300	30 × 35	0.30	EAJ-630VSN332MR35S
	3,900	22 × 40	0.30	EAJ-420VSN392MP40S		3,300	35 × 30	0.30	EAJ-630VSN332MA30S
	3,900	25.4 × 30	0.30	EAJ-420VSN392MQ30S		3,900	25.4 × 50	0.30	EAJ-630VSN392MQ50S
	3,900	30 × 25	0.30	EAJ-420VSN392MR25S		3,900	30 × 40	0.30	EAJ-630VSN392MR40S



## AJ Series

### ◆ STANDARD RATINGS

WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.	WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
63	3,900	35 × 30	0.30	EAJ-630VSN392MA30S	80	3,300	25.4 × 55	0.25	EAJ-800VSN332MQ55S
	4,700	25.4 × 55	0.30	EAJ-630VSN472MQ55S		3,300	30 × 45	0.25	EAJ-800VSN332MR45S
	4,700	30 × 45	0.30	EAJ-630VSN472MR45S		3,300	35 × 35	0.25	EAJ-800VSN332MA35S
	4,700	35 × 35	0.30	EAJ-630VSN472MA35S		3,900	25.4 × 55	0.25	EAJ-800VSN392MQ55S
	5,600	25.4 × 60	0.30	EAJ-630VSN562MQ60S		3,900	30 × 50	0.25	EAJ-800VSN392MR50S
	5,600	30 × 50	0.30	EAJ-630VSN562MR50S		3,900	35 × 40	0.25	EAJ-800VSN392MA40S
	5,600	35 × 40	0.30	EAJ-630VSN562MA40S		4,700	30 × 55	0.25	EAJ-800VSN472MR55S
	6,800	25.4 × 60	0.30	EAJ-630VSN682MQ60S		4,700	35 × 45	0.25	EAJ-800VSN472MA45S
	6,800	30 × 55	0.30	EAJ-630VSN682MR55S		5,600	30 × 60	0.25	EAJ-800VSN562MR60S
	6,800	35 × 45	0.30	EAJ-630VSN682MA45S		5,600	35 × 50	0.25	EAJ-800VSN562MA50S
	8,200	30 × 60	0.30	EAJ-630VSN822MR60S		6,800	35 × 55	0.25	EAJ-800VSN682MA55S
	8,200	35 × 50	0.30	EAJ-630VSN822MA50S		8,200	35 × 60	0.25	EAJ-800VSN822MA60S
71	1,000	22 × 30	0.25	EAJ-710VSN102MP30S	100	470	22 × 25	0.25	EAJ-101VSN471MP25S
	1,200	22 × 30	0.25	EAJ-710VSN122MP30S		560	22 × 30	0.25	EAJ-101VSN561MP30S
	1,500	22 × 35	0.25	EAJ-710VSN152MP35S		820	22 × 35	0.25	EAJ-101VSN821MP35S
	1,500	25.4 × 30	0.25	EAJ-710VSN152MQ30S		820	25.4 × 30	0.25	EAJ-101VSN821MQ30S
	1,800	22 × 40	0.25	EAJ-710VSN182MP40S		1,000	22 × 40	0.25	EAJ-101VSN102MP40S
	1,800	25.4 × 35	0.25	EAJ-710VSN182MQ35S		1,000	25.4 × 35	0.25	EAJ-101VSN102MQ35S
	1,800	30 × 30	0.25	EAJ-710VSN182MR30S		1,200	22 × 45	0.25	EAJ-101VSN122MP45S
	2,200	22 × 45	0.25	EAJ-710VSN222MP45S		1,200	25.4 × 40	0.25	EAJ-101VSN122MQ40S
	2,200	25.4 × 40	0.25	EAJ-710VSN222MQ40S		1,200	30 × 30	0.25	EAJ-101VSN122MR30S
	2,200	30 × 30	0.25	EAJ-710VSN222MR30S		1,500	22 × 50	0.25	EAJ-101VSN152MP50S
	2,700	25.4 × 45	0.25	EAJ-710VSN272MQ45S		1,500	25.4 × 45	0.25	EAJ-101VSN152MQ45S
	2,700	30 × 35	0.25	EAJ-710VSN272MR35S		1,500	30 × 35	0.25	EAJ-101VSN152MR35S
80	2,700	35 × 30	0.25	EAJ-710VSN272MA30S	1,500	35 × 30	0.25	EAJ-101VSN152MA30S	
	3,300	25.4 × 50	0.25	EAJ-710VSN332MQ50S	1,800	25.4 × 50	0.25	EAJ-101VSN182MQ50S	
	3,300	30 × 40	0.25	EAJ-710VSN332MR40S	1,800	30 × 40	0.25	EAJ-101VSN182MR40S	
	3,300	35 × 30	0.25	EAJ-710VSN332MA30S	1,800	35 × 30	0.25	EAJ-101VSN182MA30S	
	3,900	25.4 × 55	0.25	EAJ-710VSN392MQ55S	2,200	25.4 × 55	0.25	EAJ-101VSN222MQ55S	
	3,900	30 × 45	0.25	EAJ-710VSN392MR45S	2,200	30 × 45	0.25	EAJ-101VSN222MR45S	
	3,900	35 × 35	0.25	EAJ-710VSN392MA35S	2,200	35 × 35	0.25	EAJ-101VSN222MA35S	
	4,700	25.4 × 60	0.25	EAJ-710VSN472MQ60S	2,700	25.4 × 60	0.25	EAJ-101VSN272MQ60S	
	4,700	30 × 50	0.25	EAJ-710VSN472MR50S	2,700	30 × 50	0.25	EAJ-101VSN272MR50S	
	4,700	35 × 40	0.25	EAJ-710VSN472MA40S	2,700	35 × 40	0.25	EAJ-101VSN272MA40S	
	5,600	25.4 × 60	0.25	EAJ-710VSN562MQ60S	3,300	30 × 55	0.25	EAJ-101VSN332MR55S	
	5,600	30 × 55	0.25	EAJ-710VSN562MR55S	3,300	35 × 45	0.25	EAJ-101VSN332MA45S	
80	5,600	35 × 45	0.25	EAJ-710VSN562MA45S	3,900	35 × 50	0.25	EAJ-101VSN392MA50S	
	6,800	30 × 60	0.25	EAJ-710VSN682MR60S	4,700	35 × 55	0.25	EAJ-101VSN472MA55S	
	6,800	35 × 50	0.25	EAJ-710VSN682MA50S	5,600	35 × 60	0.25	EAJ-101VSN562MA60S	
	8,200	35 × 55	0.25	EAJ-710VSN822MA55S	125	470	22 × 30	0.25	EAJ-1C1VSN471MP30S
	10,000	35 × 60	0.25	EAJ-710VSN103MA60S		560	22 × 35	0.25	EAJ-1C1VSN561MP35S
	820	22 × 30	0.25	EAJ-800VSN821MP30S		820	22 × 40	0.25	EAJ-1C1VSN821MP40S
	1,000	22 × 30	0.25	EAJ-800VSN102MP30S		820	25.4 × 35	0.25	EAJ-1C1VSN821MQ35S
	1,200	22 × 35	0.25	EAJ-800VSN122MP35S		1,000	22 × 45	0.25	EAJ-1C1VSN102MP45S
	1,200	25.4 × 30	0.25	EAJ-800VSN122MQ30S		1,000	25.4 × 40	0.25	EAJ-1C1VSN102MQ40S
	1,500	22 × 40	0.25	EAJ-800VSN152MP40S		1,000	30 × 30	0.25	EAJ-1C1VSN102MR30S
	1,500	25.4 × 35	0.25	EAJ-800VSN152MQ35S		1,200	25.4 × 45	0.25	EAJ-1C1VSN122MQ45S
	1,500	30 × 25	0.25	EAJ-800VSN152MR25S		1,200	30 × 35	0.25	EAJ-1C1VSN122MR35S
1,800	22 × 45	0.25	EAJ-800VSN182MP45S	1,500		25.4 × 50	0.25	EAJ-1C1VSN152MQ50S	
1,800	25.4 × 35	0.25	EAJ-800VSN182MQ35S	1,500		30 × 40	0.25	EAJ-1C1VSN152MR40S	
1,800	30 × 30	0.25	EAJ-800VSN182MR30S	1,500		35 × 35	0.25	EAJ-1C1VSN152MA35S	
2,200	22 × 50	0.25	EAJ-800VSN222MP50S	1,800	25.4 × 55	0.25	EAJ-1C1VSN182MQ55S		
2,200	25.4 × 40	0.25	EAJ-800VSN222MQ40S	1,800	30 × 45	0.25	EAJ-1C1VSN182MR45S		
2,200	30 × 35	0.25	EAJ-800VSN222MR35S	1,800	35 × 35	0.25	EAJ-1C1VSN182MA35S		
2,200	35 × 30	0.25	EAJ-800VSN222MA30S	2,200	30 × 50	0.25	EAJ-1C1VSN222MR50S		
2,700	25.4 × 50	0.25	EAJ-800VSN272MQ50S	2,200	35 × 40	0.25	EAJ-1C1VSN222MA40S		
2,700	30 × 40	0.25	EAJ-800VSN272MR40S	2,700	30 × 60	0.25	EAJ-1C1VSN272MR60S		
2,700	35 × 30	0.25	EAJ-800VSN272MA30S	2,700	35 × 50	0.25	EAJ-1C1VSN272MA50S		
				3,300	35 × 55	0.25	EAJ-1C1VSN332MA55S		
				3,900	35 × 60	0.25	EAJ-1C1VSN392MA60S		



- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
- The products listed in this catalog are designed and manufactured for general electronics equipment use and are not intended for use in applications that can adversely affect human life; where the malfunction of equipment may cause damage to life or property. In addition, our products are not intended to be used in specific applications that may cause a major social impact. Please consult with us in advance of usage of our products in the following listed applications. ① Aerospace equipment ② Power generation equipment such as thermal power, nuclear power etc. ③ Medical equipment ④ Transport equipment (automobiles, trains, ships, etc.) ⑤ Transportation control equipment ⑥ Disaster prevention / crime prevention equipment ⑦ Highly publicized information processing equipment ⑧ Submarine equipment ⑨ Other applications that are not considered general-purpose applications.
- The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.  
Please make sure that you take appropriate safety measures such as use of redundant design and malfunction prevention measures in order to prevent fatal accidents and/or fires in the event any of our products malfunction.
- We strongly recommend our customers to purchase Nippon Chemi-Con products only through our official sales channels. We assume no responsibility for any defects or damages caused by using products purchased from outside our official sales channel or of counterfeit goods. In addition, we will ask the customer to pay the investigation cost for products purchased outside our official sales channel.
- We reserve the right to discontinue production and delivery of products. We do not guarantee that all the products included in this catalog will be available in the future.  
The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products
- We continually strive to improve the quality and reliability of our products, but in any case that our product does not meet our published specifications, please stop using it promptly and contact us immediately. As for compensation for non-conforming goods delivered by Chemi-Con, we will limit it only to goods found in non-compliance of our published specifications. This may be accomplished by a no cost replacement of non-conforming individual products, a credit of the piece price paid per each individual non-conforming product, or in other ways deemed necessary.  
In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

[Part Numbering System](#)

[Part Numbering System \(Appendix\)](#)

[Standardization](#)

[Available Items by Manufacturing Locations](#)

[Environmental Measures](#)

[Technical Note](#)

[Precautions and Guidelines](#)

[Recommended Soldering Conditions](#)

[Taping, Lead-preforming and Packaging](#)

[Available Terminals for Snap-in and Screw Mount Type](#)