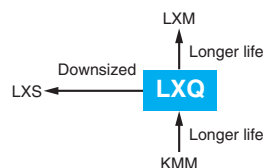


LXQ Series

- Endurance with ripple current : 5,000 hours at 105°C
- Downsized and higher ripple version of LXG series
- Non solvent resistant type
- RoHS2 Compliant

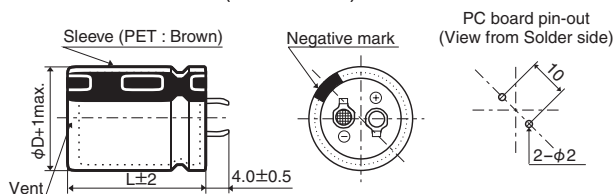


SPECIFICATIONS

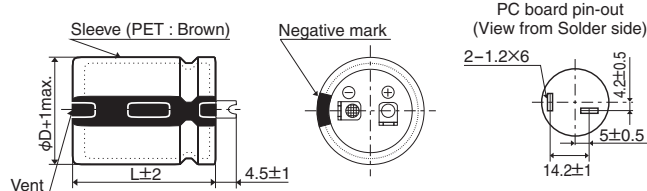
Items	Characteristics			
Category	-25 to +105℃			
Temperature Range				
Rated Voltage Range	160 to 450V _{dc}			
Capacitance Tolerance	± 20% (M) (at 20℃, 120Hz)			
Leakage Current	I ≤ 3√CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 5 minutes)			
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	160 to 400V	420 & 450V	(at 20℃, 120Hz)
	tan δ (Max.)	0.15	0.20	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	160 to 400V	420 & 450V	(at 120Hz)
	Z(-25℃)/Z(+20℃)	4	8	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105℃.			
	Capacitance change	≤ ±20% of the initial value		
	D.F. (tan δ)	≤200% of the initial specified value		
	Leakage current	≤ The initial specified value		
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.			
	Capacitance change	≤ ± 15% of the initial value		
	D.F. (tan δ)	≤ 150% of the initial specified value		
	Leakage current	≤ The initial specified value		

DIMENSIONS [mm]

- Terminal Code : VS (φ22 to φ35) : Standard

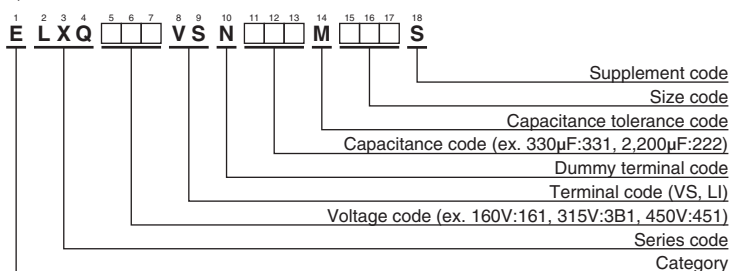


- Terminal Code : LI (φ30, φ35)



The standard design has no plastic disc.

PART NUMBERING SYSTEM



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



◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
160	390	22 × 25	0.15	1.32	ELXQ161VSN391MP25S	200	1,200	30 × 50	0.15	2.88	ELXQ201VSN122MR50S
	560	22 × 30	0.15	1.66	ELXQ161VSN561MP30S		1,200	35 × 35	0.15	2.88	ELXQ201VSN122MA35S
	560	25.4 × 25	0.15	1.68	ELXQ161VSN561MQ25S		1,500	35 × 40	0.15	3.34	ELXQ201VSN152MA40S
	680	22 × 35	0.15	1.87	ELXQ161VSN681MP35S		1,800	35 × 45	0.15	3.74	ELXQ201VSN182MA45S
	680	25.4 × 30	0.15	1.88	ELXQ161VSN681MQ30S		1,800	35 × 50	0.15	3.82	ELXQ201VSN182MA50S
	680	30 × 25	0.15	1.96	ELXQ161VSN681MR25S	220	270	22 × 25	0.15	1.10	ELXQ221VSN271MP25S
	820	22 × 40	0.15	2.09	ELXQ161VSN821MP40S		330	22 × 30	0.15	1.19	ELXQ221VSN331MP30S
	1,000	22 × 45	0.15	2.36	ELXQ161VSN102MP45S		390	25.4 × 25	0.15	1.39	ELXQ221VSN391MQ25S
	1,000	22 × 50	0.15	2.41	ELXQ161VSN102MP50S		470	22 × 35	0.15	1.55	ELXQ221VSN471MP35S
	1,000	25.4 × 35	0.15	2.38	ELXQ161VSN102MQ35S		470	25.4 × 30	0.15	1.56	ELXQ221VSN471MQ30S
	1,000	30 × 30	0.15	2.40	ELXQ161VSN102MR30S		470	30 × 25	0.15	1.63	ELXQ221VSN471MR25S
	1,000	35 × 25	0.15	2.55	ELXQ161VSN102MA25S		560	22 × 40	0.15	1.73	ELXQ221VSN561MP40S
	1,200	25.4 × 40	0.15	2.66	ELXQ161VSN122MQ40S		560	30 × 30	0.15	1.79	ELXQ221VSN561MR30S
	1,200	25.4 × 45	0.15	2.71	ELXQ161VSN122MQ45S		680	22 × 45	0.15	1.94	ELXQ221VSN681MP45S
	1,200	30 × 35	0.15	2.69	ELXQ161VSN122MR35S		680	22 × 50	0.15	1.99	ELXQ221VSN681MQ50S
	1,200	30 × 40	0.15	2.77	ELXQ161VSN122MR40S		680	25.4 × 35	0.15	1.96	ELXQ221VSN681MQ35S
	1,200	35 × 30	0.15	2.86	ELXQ161VSN122MA30S		680	30 × 35	0.15	2.02	ELXQ221VSN681MR35S
	1,500	25.4 × 50	0.15	3.08	ELXQ161VSN152MQ50S		680	35 × 25	0.15	2.10	ELXQ221VSN681MA25S
	1,500	30 × 45	0.15	3.17	ELXQ161VSN152MR45S		820	25.4 × 40	0.15	2.20	ELXQ221VSN821MQ40S
	1,500	35 × 35	0.15	3.22	ELXQ161VSN152MA35S		820	25.4 × 45	0.15	2.24	ELXQ221VSN821MQ45S
	1,800	30 × 50	0.15	3.53	ELXQ161VSN182MR50S		820	30 × 40	0.15	2.29	ELXQ221VSN821MR40S
	1,800	35 × 40	0.15	3.66	ELXQ161VSN182MA40S		820	35 × 30	0.15	2.36	ELXQ221VSN821MA30S
	2,200	35 × 45	0.15	4.14	ELXQ161VSN222MA45S		1,000	25.4 × 50	0.15	2.51	ELXQ221VSN102MQ50S
	2,700	35 × 50	0.15	4.68	ELXQ161VSN272MA50S		1,000	30 × 45	0.15	2.59	ELXQ221VSN102MR45S
180	330	22 × 25	0.15	1.21	ELXQ181VSN331MP25S		1,000	35 × 35	0.15	2.63	ELXQ221VSN102MA35S
	470	22 × 30	0.15	1.52	ELXQ181VSN471MP30S	250	1,200	30 × 50	0.15	2.88	ELXQ221VSN122MR50S
	470	25.4 × 25	0.15	1.52	ELXQ181VSN471MQ25S		1,200	35 × 40	0.15	2.98	ELXQ221VSN122MA40S
	560	22 × 35	0.15	1.70	ELXQ181VSN561MP35S		1,500	35 × 45	0.15	3.41	ELXQ221VSN152MA45S
	560	30 × 25	0.15	1.78	ELXQ181VSN561MR25S		1,800	35 × 50	0.15	3.82	ELXQ221VSN182MA50S
	680	22 × 40	0.15	1.91	ELXQ181VSN681MP40S		220	22 × 25	0.15	1.01	ELXQ251VSN221MP25S
	680	25.4 × 30	0.15	1.88	ELXQ181VSN681MQ30S		270	22 × 30	0.15	1.20	ELXQ251VSN271MP30S
	820	22 × 45	0.15	1.99	ELXQ181VSN821MP45S		330	25.4 × 25	0.15	1.32	ELXQ251VSN331MQ25S
	820	25.4 × 35	0.15	2.16	ELXQ181VSN821MQ35S		390	22 × 35	0.15	1.44	ELXQ251VSN391MP35S
	820	30 × 30	0.15	2.17	ELXQ181VSN821MR30S		390	25.4 × 30	0.15	1.43	ELXQ251VSN391MQ30S
	820	35 × 25	0.15	2.31	ELXQ181VSN821MA25S		390	30 × 25	0.15	1.51	ELXQ251VSN391MR25S
	1,000	22 × 50	0.15	2.25	ELXQ181VSN102MP50S		470	22 × 40	0.15	1.62	ELXQ251VSN471MP40S
	1,000	25.4 × 40	0.15	2.43	ELXQ181VSN102MQ40S		560	22 × 45	0.15	1.80	ELXQ251VSN561MP45S
	1,000	25.4 × 45	0.15	2.47	ELXQ181VSN102MQ45S		560	22 × 50	0.15	1.84	ELXQ251VSN561MP50S
	1,000	30 × 35	0.15	2.46	ELXQ181VSN102MR35S		560	25.4 × 35	0.15	1.78	ELXQ251VSN561MQ35S
	1,200	25.4 × 50	0.15	2.75	ELXQ181VSN122MQ50S		560	30 × 30	0.15	1.83	ELXQ251VSN561MR30S
	1,200	30 × 40	0.15	2.77	ELXQ181VSN122MR40S		560	35 × 25	0.15	1.91	ELXQ251VSN561MA25S
	1,200	35 × 30	0.15	2.86	ELXQ181VSN122MA30S		680	25.4 × 40	0.15	2.00	ELXQ251VSN681MQ40S
	1,500	30 × 45	0.15	3.17	ELXQ181VSN152MR45S		680	25.4 × 45	0.15	2.04	ELXQ251VSN681MQ45S
	1,500	30 × 50	0.15	3.22	ELXQ181VSN152MR50S		680	30 × 35	0.15	2.06	ELXQ251VSN681MR35S
	1,500	35 × 35	0.15	3.22	ELXQ181VSN152MA35S		680	35 × 30	0.15	2.15	ELXQ251VSN681MA30S
	1,800	35 × 40	0.15	3.66	ELXQ181VSN182MA40S		820	25.4 × 50	0.15	2.28	ELXQ251VSN821MQ50S
	1,800	35 × 45	0.15	3.74	ELXQ181VSN182MA45S		820	30 × 40	0.15	2.33	ELXQ251VSN821MR40S
	2,200	35 × 50	0.15	4.22	ELXQ181VSN222MA50S		820	30 × 45	0.15	2.39	ELXQ251VSN821MR45S
200	270	22 × 25	0.15	1.10	ELXQ201VSN271MP25S		820	35 × 35	0.15	2.38	ELXQ251VSN821MA35S
	390	22 × 30	0.15	1.38	ELXQ201VSN391MP30S	315	1,000	30 × 50	0.15	2.68	ELXQ251VSN102MR50S
	390	25.4 × 25	0.15	1.39	ELXQ201VSN391MQ25S		1,000	35 × 40	0.15	2.72	ELXQ251VSN102MA40S
	470	22 × 35	0.15	1.55	ELXQ201VSN471MP35S		1,200	35 × 45	0.15	3.05	ELXQ251VSN122MA45S
	560	22 × 40	0.15	1.73	ELXQ201VSN561MP40S		1,500	35 × 50	0.15	3.49	ELXQ251VSN152MA50S
	560	25.4 × 30	0.15	1.71	ELXQ201VSN561MQ30S		150	22 × 25	0.15	0.80	ELXQ3B1VSN151MP25S
	560	30 × 25	0.15	1.78	ELXQ201VSN561MR25S		180	22 × 30	0.15	0.92	ELXQ3B1VSN181MP30S
	680	22 × 45	0.15	1.81	ELXQ201VSN681MP45S		180	25.4 × 25	0.15	0.94	ELXQ3B1VSN181MQ25S
	680	25.4 × 35	0.15	1.87	ELXQ201VSN681MQ35S		220	22 × 35	0.15	1.04	ELXQ3B1VSN221MP35S
	680	30 × 30	0.15	1.98	ELXQ201VSN681MR30S		220	30 × 25	0.15	1.17	ELXQ3B1VSN221MR25S
	680	35 × 25	0.15	2.10	ELXQ201VSN681MA25S		270	22 × 40	0.15	1.18	ELXQ3B1VSN271MP40S
	820	22 × 50	0.15	2.18	ELXQ201VSN821MP50S		270	25.4 × 30	0.15	1.19	ELXQ3B1VSN271MQ30S
	820	25.4 × 40	0.15	2.09	ELXQ201VSN821MQ40S		330	22 × 45	0.15	1.33	ELXQ3B1VSN331MP45S
	820	30 × 35	0.15	2.22	ELXQ201VSN821MR35S		330	25.4 × 35	0.15	1.37	ELXQ3B1VSN331MQ35S
	1,000	25.4 × 45	0.15	2.35	ELXQ201VSN102MQ45S		330	30 × 30	0.15	1.40	ELXQ3B1VSN331MR30S
	1,000	25.4 × 50	0.15	2.39	ELXQ201VSN102MQ50S		330	35 × 25	0.15	1.49	ELXQ3B1VSN331MA25S
	1,000	30 × 40	0.15	2.53	ELXQ201VSN102MR40S		390	22 × 50	0.15	1.48	ELXQ3B1VSN391MP50S
	1,000	35 × 30	0.15	2.61	ELXQ201VSN102MA30S		390	25.4 × 40	0.15	1.52	ELXQ3B1VSN391MQ40S
	1,200	30 × 45	0.15	2.84	ELXQ201VSN122MR45S		470	25.4 × 45	0.15	1.70	ELXQ3B1VSN471MQ45S



◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
315	470	30 × 35	0.15	1.71	ELXQ3B1VSN471MR35S	400	470	30 × 45	0.15	1.81	ELXQ401VSN471MR45S
	470	35 × 30	0.15	1.82	ELXQ3B1VSN471MA30S		470	30 × 50	0.15	1.84	ELXQ401VSN471MR50S
	560	25.4 × 50	0.15	1.88	ELXQ3B1VSN561MQ50S		470	35 × 40	0.15	1.90	ELXQ401VSN471MA40S
	560	30 × 40	0.15	1.92	ELXQ3B1VSN561MR40S		560	35 × 45	0.15	2.12	ELXQ401VSN561MA45S
	560	30 × 45	0.15	1.97	ELXQ3B1VSN561MR45S		680	35 × 50	0.15	2.39	ELXQ401VSN681MA50S
	560	35 × 35	0.15	2.00	ELXQ3B1VSN561MA35S	420	100	22 × 25	0.20	0.66	ELXQ421VSN101MP25S
	680	30 × 50	0.15	2.21	ELXQ3B1VSN681MR50S		120	22 × 30	0.20	0.75	ELXQ421VSN121MP30S
	680	35 × 40	0.15	2.29	ELXQ3B1VSN681MA40S		120	25.4 × 25	0.20	0.77	ELXQ421VSN121MQ25S
	820	35 × 45	0.15	2.57	ELXQ3B1VSN821MA45S		150	22 × 35	0.20	0.86	ELXQ421VSN151MP35S
	1,000	35 × 50	0.15	2.89	ELXQ3B1VSN102MA50S		180	22 × 40	0.20	0.96	ELXQ421VSN181MP40S
350	120	22 × 25	0.15	0.72	ELXQ351VSN121MP25S		180	22 × 45	0.20	0.98	ELXQ421VSN181MP45S
	150	22 × 30	0.15	0.84	ELXQ351VSN151MP30S		180	25.4 × 30	0.20	0.97	ELXQ421VSN181MQ30S
	180	25.4 × 25	0.15	0.94	ELXQ351VSN181MQ25S		180	25.4 × 35	0.20	1.01	ELXQ421VSN181MQ35S
	220	22 × 35	0.15	1.04	ELXQ351VSN221MP35S		180	30 × 25	0.20	1.02	ELXQ421VSN181MR25S
	220	22 × 40	0.15	1.06	ELXQ351VSN221MP40S		220	22 × 50	0.20	1.11	ELXQ421VSN221MP50S
	220	25.4 × 30	0.15	1.07	ELXQ351VSN221MQ30S		220	25.4 × 40	0.20	1.14	ELXQ421VSN221MQ40S
	220	30 × 25	0.15	1.13	ELXQ351VSN221MR25S		220	30 × 30	0.20	1.14	ELXQ421VSN221MR30S
	270	22 × 45	0.15	1.20	ELXQ351VSN271MP45S		220	35 × 25	0.20	1.22	ELXQ421VSN221MA25S
	270	25.4 × 35	0.15	1.24	ELXQ351VSN271MQ35S		270	25.4 × 45	0.20	1.29	ELXQ421VSN271MQ45S
	270	30 × 30	0.15	1.27	ELXQ351VSN271MR30S		270	30 × 35	0.20	1.30	ELXQ421VSN271MR35S
	270	35 × 25	0.15	1.35	ELXQ351VSN271MA25S		270	35 × 30	0.20	1.38	ELXQ421VSN271MA30S
	330	22 × 50	0.15	1.36	ELXQ351VSN331MP50S		330	25.4 × 50	0.20	1.44	ELXQ421VSN331MQ50S
	330	25.4 × 40	0.15	1.39	ELXQ351VSN331MQ40S		330	30 × 40	0.20	1.48	ELXQ421VSN331MR40S
	330	30 × 35	0.15	1.43	ELXQ351VSN331MR35S		330	35 × 35	0.20	1.54	ELXQ421VSN331MA35S
	390	25.4 × 45	0.15	1.55	ELXQ351VSN391MQ45S		390	30 × 45	0.20	1.64	ELXQ421VSN391MR45S
	390	30 × 40	0.15	1.60	ELXQ351VSN391MR40S		390	35 × 40	0.20	1.73	ELXQ421VSN391MA40S
	390	35 × 30	0.15	1.66	ELXQ351VSN391MA30S		470	30 × 50	0.20	1.84	ELXQ421VSN471MR50S
	470	25.4 × 50	0.15	1.72	ELXQ351VSN471MQ50S		470	35 × 45	0.20	1.94	ELXQ421VSN471MA45S
	470	30 × 45	0.15	1.81	ELXQ351VSN471MR45S		560	35 × 50	0.20	2.17	ELXQ421VSN561MA50S
	470	35 × 35	0.15	1.83	ELXQ351VSN471MA35S	450	82	22 × 25	0.20	0.59	ELXQ451VSN820MP25S
	560	30 × 50	0.15	2.00	ELXQ351VSN561MR50S		100	22 × 30	0.20	0.69	ELXQ451VSN101MP30S
	560	35 × 40	0.15	2.07	ELXQ351VSN561MA40S		100	25.4 × 25	0.20	0.70	ELXQ451VSN101MQ25S
	680	35 × 45	0.15	2.34	ELXQ351VSN681MA45S		120	22 × 35	0.20	0.77	ELXQ451VSN121MP35S
	820	35 × 50	0.15	2.62	ELXQ351VSN821MA50S		150	22 × 40	0.20	0.88	ELXQ451VSN151MP40S
400	100	22 × 25	0.15	0.66	ELXQ401VSN101MP25S		150	22 × 45	0.20	0.90	ELXQ451VSN151MP45S
	120	22 × 30	0.15	0.75	ELXQ401VSN121MP30S		150	25.4 × 30	0.20	0.88	ELXQ451VSN151MQ30S
	150	22 × 35	0.15	0.86	ELXQ401VSN151MP35S		150	25.4 × 35	0.20	0.92	ELXQ451VSN151MQ35S
	150	25.4 × 25	0.15	0.86	ELXQ401VSN151MQ25S		150	30 × 25	0.20	0.93	ELXQ451VSN151MR25S
	180	22 × 40	0.15	0.96	ELXQ401VSN181MP40S		180	22 × 50	0.20	1.01	ELXQ451VSN181MP50S
	180	25.4 × 30	0.15	0.97	ELXQ401VSN181MQ30S		180	25.4 × 40	0.20	1.03	ELXQ451VSN181MQ40S
	180	30 × 25	0.15	1.02	ELXQ401VSN181MR25S		180	30 × 30	0.20	1.03	ELXQ451VSN181MR30S
	220	22 × 45	0.15	1.09	ELXQ401VSN221MP45S		180	35 × 25	0.20	1.10	ELXQ451VSN181MA25S
	220	25.4 × 35	0.15	1.12	ELXQ401VSN221MQ35S		220	25.4 × 45	0.20	1.16	ELXQ451VSN221MQ45S
	220	35 × 25	0.15	1.22	ELXQ401VSN221MA25S		220	30 × 35	0.20	1.17	ELXQ451VSN221MR35S
	270	22 × 50	0.15	1.23	ELXQ401VSN271MP50S		220	35 × 30	0.20	1.24	ELXQ451VSN221MA30S
	270	25.4 × 40	0.15	1.26	ELXQ401VSN271MQ40S		270	25.4 × 50	0.20	1.31	ELXQ451VSN271MQ50S
	270	25.4 × 45	0.15	1.29	ELXQ401VSN271MQ45S		270	30 × 40	0.20	1.33	ELXQ451VSN271MR40S
	270	30 × 30	0.15	1.27	ELXQ401VSN271MR30S		270	35 × 35	0.20	1.39	ELXQ451VSN271MA35S
	330	25.4 × 50	0.15	1.44	ELXQ401VSN331MQ50S		330	30 × 45	0.20	1.51	ELXQ451VSN331MR45S
	330	30 × 35	0.15	1.43	ELXQ401VSN331MR35S		390	30 × 50	0.20	1.67	ELXQ451VSN391MR50S
	330	35 × 30	0.15	1.52	ELXQ401VSN331MA30S		390	35 × 40	0.20	1.73	ELXQ451VSN391MA40S
	390	30 × 40	0.15	1.60	ELXQ401VSN391MR40S		390	35 × 45	0.20	1.77	ELXQ451VSN391MA45S
	390	35 × 35	0.15	1.67	ELXQ401VSN391MA35S		470	35 × 50	0.20	1.98	ELXQ451VSN471MA50S

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Frequency(Hz)	50	120	300	1k	10k	50k
160 to 250V _{dc}	0.81	1.00	1.17	1.32	1.45	1.50
315 to 450V _{dc}	0.77	1.00	1.16	1.30	1.41	1.43

The deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.



- 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](#)