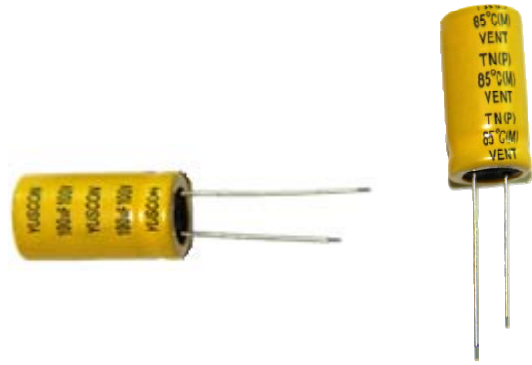


# Aluminum Electrolytic Capacitors



## TNP Series

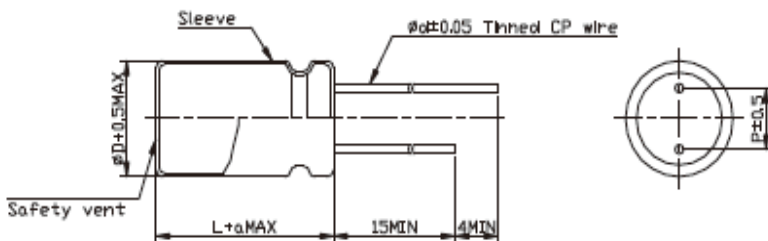
- General NP for Crossover Network Type.
- Rohs compliance.



### ◆ SPECIFICATIONS

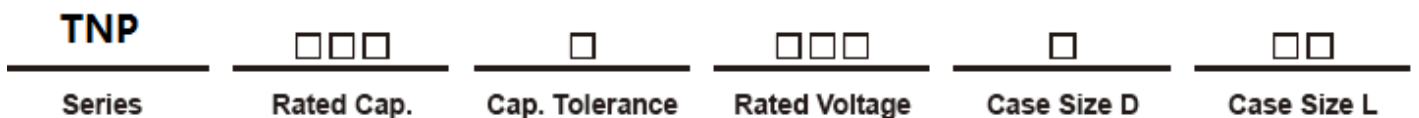
Item	Characteristics					
Temperature Range	-40 +85°C					
Rated Voltage Range	50V.DC, 100V.DC					
Rated Capacitance Range	100 ~1000F					
Capacitance Tolerance	±10%(K) or±5%(J) (1KHz, 20°C)					
Leakage Current	I=0.02CV or 3A Max, whichever is greater, after 2 minutes application of rated voltage.					
Dissipation Factor (tanδ)	Tanδ(Max)	0.1	0.06	0.04		120Hz, 20°C
Temperature Characteristic	Impedance ratio (120Hz)					
	Rated Voltage	50	100			
	Z-25°C / Z+20°C	2	2			
	Z-40°C / Z+20°C	4	4			
Load Life	After 2000 hours application of rated working voltage at 85°C with the polarity inverted every 250 hours, capacitors meet the characteristics requirements mentioned below					
	Capacitance chang	Within±20% of initial value				
	Dissipation Factor (Tan)	150% or less of initial specified value				
	Leakage Current	Initial specified value or less				
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours and applying voltage according to JIS C 5102 4-4, they meet the specified value for load life characteristics listed above.					
Applicable Standards	JIS C-5141 W、EIAJ RC-2366A EIAJ RC-3803 Characteristics W of JIS C-5141, EIAJ RC-2366A and EIAJ RC-3803					

### ◆ DRAWING



ψD	10	13	16	18
P	5	5	7.5	7.5
d	0.6	0.6	0.8	0.8
a	1.5	1.5	1.5	1.5

### ◆ PART NUMBERING SYSTEM



## TNP Series

### ■STANDARD RATINGS

D.F.(Tan) Code)		0.1		0.06		0.04	
		1H(50V)	2A(100V)	1H(50V)	2A(100V)	1H(50V)	2A(100V)
Cap(F)							
100	101	10x20	16x27	10x20	16x27	13x21	16x27
120	121	10x20	16x27	13x21	16x27	13x26	16x27
150	151	13x21	16x27	13x21	16x32	13x26	16x35
180	181	13x21	16x32	13x26	16x35	16x27	18x35
220	221	13x26	18x35	13x26	18x35	16x27	18x35
270	271	13x26	18x35	16x27	18x35	16x27	22x36
330	331	16x27	22x36	16x27	22x36	16x32	22x36
400	401	16x27	22x36	16x32	22x36	16x35	22x40
470	471	16x32	22x40	16x35	22x40	18x35	25x41
560	561	16x35	25x41	18x35	25x41	18x35	25x41
680	681	18x35	25x41	18x35	25x45	22x36	25x45
800	801	18x35	25x45	22x36	25x49	22x36	25x49
1000	102	22x36		22x36		25x41	

Please contact to us if other Characteristics or Dimensions are required.