

KZN Series

- Adoption of innovative high stability electrolyte
- High ripple current and long endurance
- Rated voltage range : 6.3 to 100V_{dc}, Capacitance range : 8.2 to 22,000μF
- Endurance with ripple current : 6,000 to 10,000 hours at 105°C
- Non solvent resistant type
- RoHS Compliant

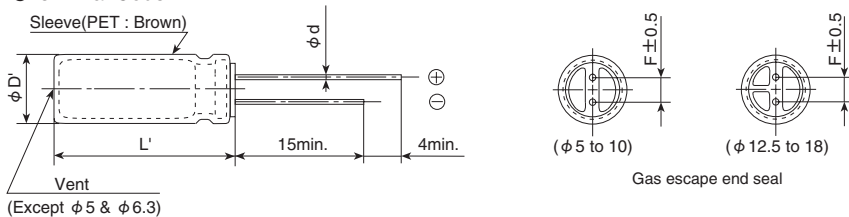


SPECIFICATIONS

Items	Characteristics									
Category	-40 to +105°C									
Temperature Range										
Rated Voltage Range	6.3 to 100V _{dc}									
Capacitance Tolerance	± 20% (M) (at 20°C, 120Hz)									
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)									
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V
	tan δ (Max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.09	0.08
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 120Hz)									
Low Temperature Characteristics	Z(-25°C)/Z(+20°C)	2 max. (at 120Hz)								
	Z(-40°C)/Z(+20°C)	3 max. (at 120Hz)								
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for the specified period of time at 105°C.									
	Time	Case size	φ 5& φ 6.3	φ 8 × 11.5L	φ 10 × 12.5L	φ 8 × 15L, 20L	φ 10 × 16L, 20L, 25L φ 12.5 to φ 18			
		6.3V _{dc}	6,000 hours	8,000 hours	9,000 hours	9,000 hours	10,000 hours			
		10 to 50V _{dc}	7,000 hours	9,000 hours	9,000 hours	10,000 hours	10,000 hours			
		63 to 100V _{dc}	6,000 hours	8,000 hours	9,000 hours	9,000 hours	10,000 hours			
	Capacitance change		≤ ±25% of the initial value (6.3, 10V _{dc} : ≤ ±30%)							
	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°C after exposing them for 500 hours at 105°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.									
	Capacitance change		≤ ±25% of the initial value (6.3, 10V _{dc} : ≤ ±30%)							
	D.F. (tan δ)		≤200% of the initial specified value							
	Leakage current		≤The initial specified value							

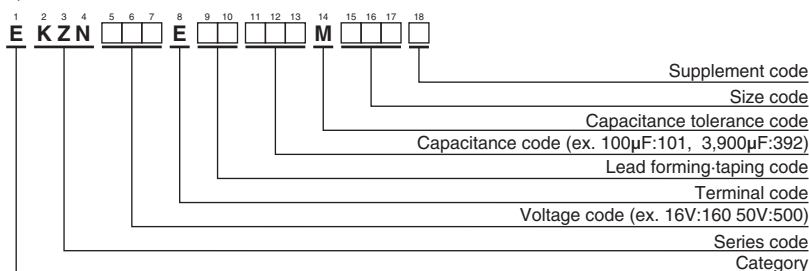
DIMENSIONS [mm]

- Terminal Code : E



φ D	5	6.3	8	10	12.5	16	18
φ d	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
D'	φ D + 0.5max.						
L'	L + 1.5max.						

PART NUMBERING SYSTEM



Please refer to "Product code guide (radial lead type)"

