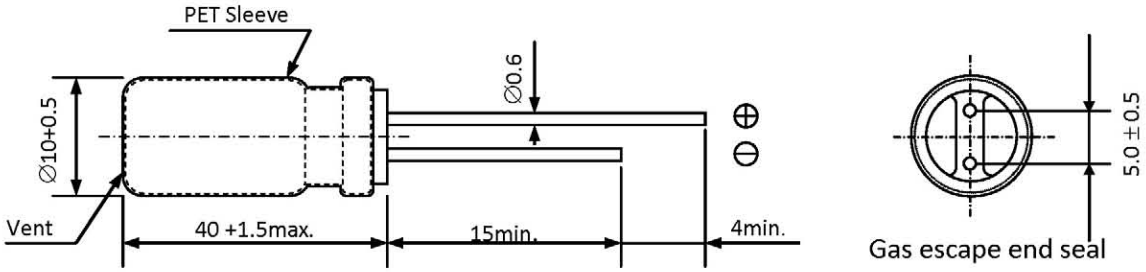
Technical Datasheet KZN-Series

Customer:	**GPN:** EKZN160ELL332MJ40S	Europe Chemi-Con (Deutschland) GmbH Nippon Chemi-Con Corp. Group
Part No.: n/a		
G-No.: G140260A0291D1	**NCC D#:** n/a	**Ref. No.:** ECC-EN-14-0592

Dimensions [mm]:

Notes: Sn100% terminal plating of lead wire



Specifications

Items	Characteristics	
Temperature Range	-40°C to +105°C	
Rated Voltage	16V	
Nominal Capacitance	3,300µF	at 20°C and 120Hz
Capacitance Tolerance	-20% to +20%	at 20°C and 120Hz
Leakage Current	less than 528µA	at 20°C, after 2 minutes
Dissipation Factor (tanδ)	less than 0.20	at 20°C and 120Hz
Impedance	max. 0.018Ω	at 20°C and 100kHz
	max. 0.054Ω	at -10°C and 100kHz
Ripple Current	max. 3,600mA rms	at 105°C and 100kHz
Low Temperature Characteristics (max. Impedance ratio)	Z(-25°C)/Z(20°C) = 2 Z(-40°C)/Z(20°C) = 3	at 120Hz to the 20°C value
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 for 10,000 hours at 105°C.	
	Capacitance change	≤ ±25% of the initial value
	Dissipation change (tanδ)	≤ 200% of the initial specified value
	DC 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
	Dissipation change (tanδ)	≤ 200% of the initial specified value
	DC Leakage Current	≤ The initial specified value