

ELECTRIC DOUBLE LAYER CAPACITOR DATA SHEET



ZST 2.7V 2F

Radial Terminal Type



FEATURES:

- High temperature
- Wide temperature range (-40 to +85°C)
- RoHS compliant.
- IATF 16949 compliant

TYPICAL APPLICATIONS:

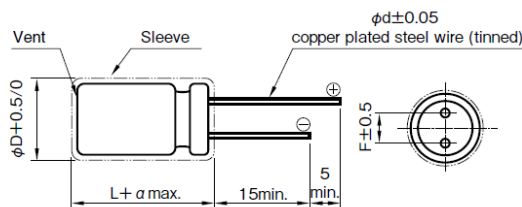
- SSD (Solid state drives)
- AMR (Automatic meter record)
- Wireless transmitters
- Emergency lighting
- Medical devices
- Smart metering



SPECIFICATIONS:

ITEM	PERFORMANCE CHARACTERISTICS		
Category Temperature Range	-40°C to +85°C		
Rated Voltage Range	2.7V		
Rated Capacitance Range	2F		
Capacitance Tolerance	-10% to +30%, 20°C		
Stability at Low Temperature	Capacitance(-40°C) / Capacitance(+20°C) x 100 ≥ 70% ESR(-40°C) / ESR(+20°C) ≤ 4		
Loading Life	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C.	Capacitance Range	Within ±30% of the initial capacitance value
		ESR	300% or less than the initial specified value
Shelf Life	The specifications listed at right shall be met when the capacitors are restored to 20°C after storing the capacitors under no load for 1000 hours at 85°C.	Capacitance Range	Within ±30% of the initial capacitance value
		ESR	300% or less than the initial specified value
Humidity Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 500 hours at 40°C 90%RH.	Capacitance Range	Within ±30% of the initial capacitance value
		ESR	300% or less than the initial specified value
Marking	Printed with white color letter on blue sleeve.		

PHYSICAL PROPERTIES:



φD	L	φd	F	α
8	14	0.6	3.5	1.5

STANDARD RATINGS:

Voltage (V)	Capacitance (F)	Max. ESR (mΩ)	Leakage Current (mA)	Nominal Mass (g)	Gravimetric Specific Energy (Wh/kg)	Usable Specific Power (kW/kg)	Impedance Match Specific Power (kW/kg)	Part Number
		AC (1KHz)	72h					
2.7	2	130	0.01	0.8	2.5	4.3	9.1	UCZST2R7205QRH080014E