

ELECTRIC DOUBLE LAYER CAPACITOR DATA SHEET



ZST 2.7V 1F

Radial Terminal Type



FEATURES:

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

TYPICAL APPLICATIONS:

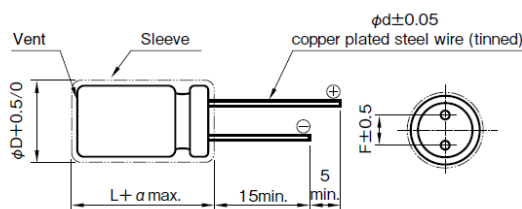
- SSD (Solid state drives)
- AMR (Automatic meter record)
- Wireless transmitters
- Emergency lighting
- Medical devices
- Smart metering



SPECIFICATIONS:

ITEM	PERFORMANCE CHARACTERISTICS	
Category Temperature Range	-40°C to +85°C	
Rated Voltage Range	2.7V	
Rated Capacitance Range	1F	
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	Capacitance Range	Within ±30% of the initial capacitance value
	ESR	300% or less than the initial specified value
Shelf Life	Capacitance Range	Within ±30% of the initial capacitance value
	ESR	300% or less than the initial specified value
Humidity Endurance	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	12	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	1	260	0.01	0.7	1.4	3.1	6.5	UCZST2R7105QRH080012E