

SCV 3V LTZ DATASET



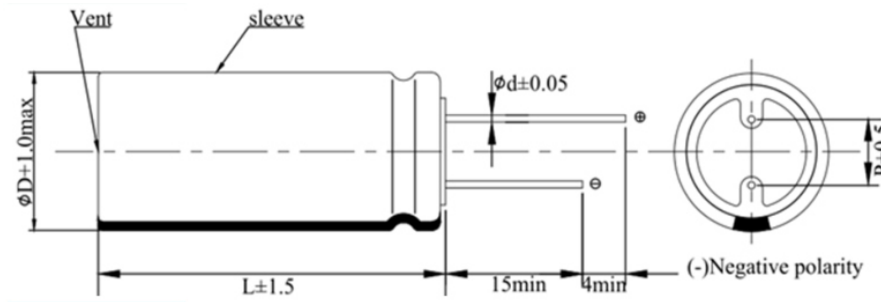
MODEL	3.0V SCV-LTZ Series
PART NUMBER	SCV0001C0-003R0LTZ
	SCV0015C0-003R0LTZ

Version	Revision of historical records
V2021-1.0	The First Release

FEATURES
Cylindrical with Through Hole Terminal
Low ESR
≥ 500,000 duty cycles

APPLICATIONS
UPS and Backup Power Supply
Consumer Electronics
Vehicle Recorders
Internet of Things
Smart Meters
Smart Instruments

DIMENSIONS



PART NUMBER	DIMENSION(MM)			
	D + 1Max	L ± 1.5	P ± 0.5	φ d ± 0.05
SCV0001C0-003R0LTZ	8	12	3.5	0.6
SCV0015C0-003R0LTZ	12.5	20	5.3	0.6

SPECIFICATIONS

Items	Characteristics
Operating Voltage	3.0 VDC
Surge Voltage	3.15 VDC
Operating Temperature Range	-40°C to +65°C
1F Capacitance Tolerance	0% to +50% (25°C)
15F Capacitance Tolerance	0% to +20% (25°C)
Cycle life at normal temperature: Capacitors charge and discharge between rated voltage and half voltage under constant current at 25°C. (≥ 500,000 cycles. Capacity fade ≤30%, internal resistance change ≤2 times)	
High temperature endurance life: 1000 hours at +65°C with rated voltage applied Capacity fade ≤ 30%, internal resistance change ≤ 2 times	

STANDARD PRODUCT

Code Number	Rated voltage (V)	Norminal capacity (F)	ESR AC (1kHz /mΩ)	Max. Operating Current (15°C,A)	Max. Peak Current (A)	Max. LC (72hrs/ μA)	Max. Energy Stored (Wh)	Max. Energy Density (Wh/Kg)	Power Density (Wh/Kg)
SCV0001C0-00 3R0LTZ	3.0	1	180	0.26	0.83	5	0.0013	1.37	1.48
SCV0015C0-00 3R0LTZ	3.0	15	40	1.35	10.59	30	0.0188	5.07	3.89

Product dimensions are for reference only unless otherwise identified. Product dimensions and specifications may change without notice.

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