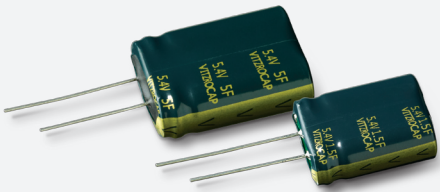


Electric Double
Layer Capacitor
EDLC
VSCM SERIES

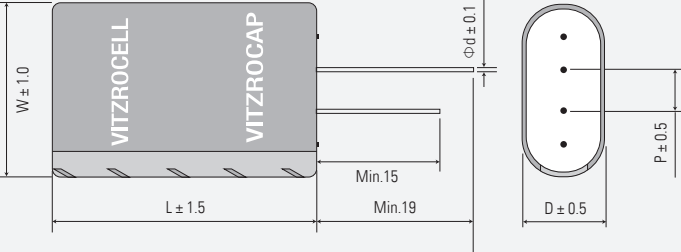


>>> Features

- Two lead terminals and Cylindrical Cell
- Very low ESR(High-power density)
- High-capacitance
- RoHS Compliant

D	P	d
8.5	5	0.6
10.5	5	0.6
12.5	7	0.6

>>> Drawing



>>> Standard Products

Item		Performance	
Rated Voltage(V _R)		5.0 volts	5.4 volts
Nominal Capacitance Range		1.5 to 5 F	1.5 to 5F
Capacitance Tolerance		-20% to +30% (at 25℃)	-20% to +30% (at 25℃)
Operating Temperature Range		-25℃ to 70℃	-40℃ to 60℃
Endurance		After 1,000 hours at rated voltage loaded under +60℃, +70℃ the capacitor shall meet the specified endurance limits :	
		Capacitance change ≤ 30% of initial value	
		Internal resistance ≤ 2 times of specified value	
Temperature characteristics	Measure at	At -25, +25, 70℃	At -40, +25, 60℃
	△ C	≤ 30% of initial value	
	Internal resistance	≤ 2 times of specified value	
Cycle Life Characteristics	500,000 cycles	Capacitance Change ≤ 30% of initial value	
		Internal resistance ≤ 2 times of specified value	
Shelf life		After 1,000 hours storage at +60℃(2.7 V), +70℃(2.5V) without load, the capacitor shall meet the specified endurance limits of endurance.	

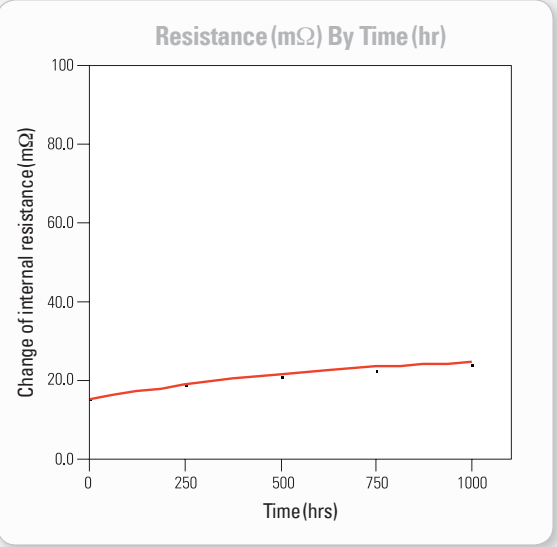
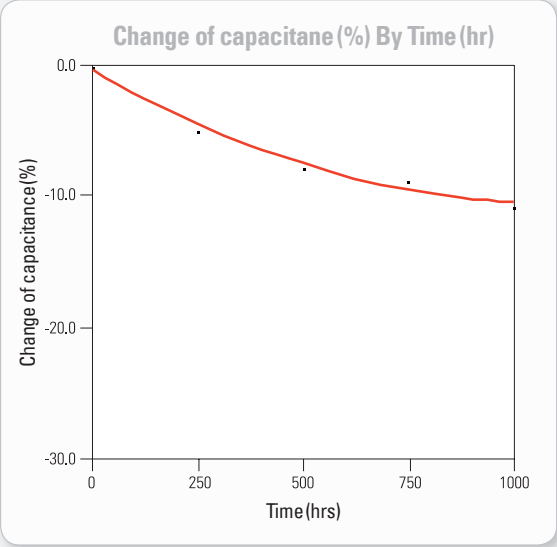
>>> Dimensions(mm)

Part number	Rated Voltage (V)	Capacitance (F)	Internal resistance (mΩ)	Leakage current (mA, 72hr)	Size (mm)
			AC (1kHz)		D × L × W
VSCM 005R0 155	5.0	1.5	≤ 300	0.020	8.5 × 22.0 × 17.0
VSCM 005R0 255		2.5	≤ 240	0.030	10.5 × 22.5 × 21.0
VSCM 005R0 355		3.5	≤ 180	0.040	10.5 × 22.5 × 21.0
VSCM 005R0 505		5	≤ 225	0.050	10.5 × 32.0 × 21.0
VSCM 005R0 755		7.5	≤ 120	0.060	13.0 × 28.0 × 25.5
VSCM 005R4 155	5.4	1.5	≤ 130	0.020	8.5 × 22.0 × 17.0
VSCM 005R4 255		2.5	≤ 90	0.030	10.5 × 22.5 × 21.0
VSCM 005R4 355		3.5	≤ 70	0.040	10.5 × 22.5 × 21.0
VSCM 005R4 505(U)		5	≤ 70	0.050	10.5 × 27.0 × 21.0
VSCM 005R4 505		5	≤ 60	0.050	10.5 × 32.0 × 21.0
VSCM 005R4 755		7.5	≤ 60	0.060	13.0 × 28.0 × 25.5

Electric Double
Layer Capacitor
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VSCM SERIES

Performance Data

>>> Endurance(5V, 60°C) : 5.4V, 5F



>>> Temperature characteristic

