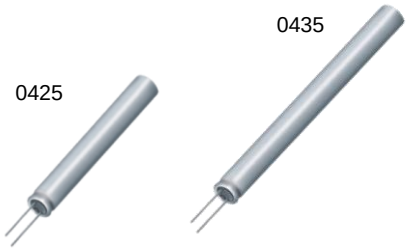
SR series (Preliminary)

| Features |

- Slim form factor & large capacity
- Low ESR
- Low leakage currents
- Long cycle life



* Shape of the final product may be different from this image

| Applications |

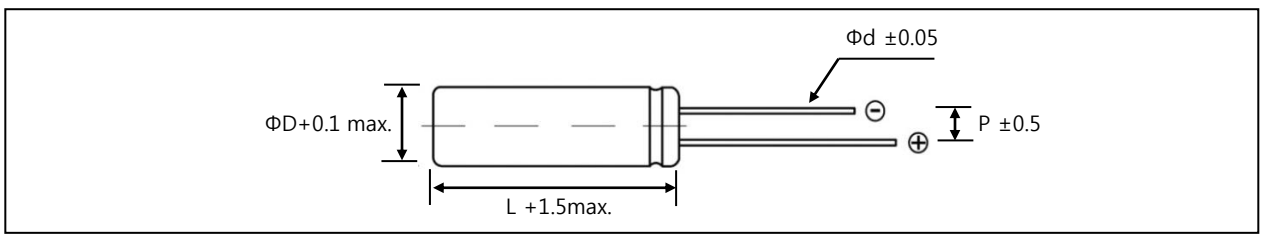
- Stylus pens or touch pens
- Driving motors in various applications including digital lockers
- Pulse power assist in energy meters and other applications

| Specifications |

Items	Characteristics	
Maximum working voltage	2.5 VDC	2.7 VDC
Operating temperature	-25 to +70℃	-40 to +65℃
Nominal Capacitance	0.6F (0425) / 1.0F (0435)	
Capacitance tolerance	-20% to +40%(at 25℃)	
Endurance	After 1,000 hours applied with 2.5(2.7)VDC at +70(65)℃, the capacitor shall meet the following limits. • Capacitance change : Within ±30% of initial measured value • ESR : 4 times or less than initial measured value	
Shelf life	After 1,000hours storage at +70(65)℃ without load, the capacitor shall meet the specified limit for "Endurance"	
Projected Cycle Life*	500,000 Cycles	
	1 Cycle : Charge-Discharge between V_{rated} and $1/2V_{rated}$ • Capacitance change : ≤30% of initial value • Internal resistance change : ≤100% of spec. value	

* Cycle life varies according to the condition of application i.e. charge-discharge condition including current, temperature, voltage range and etc.

| Dimensions in mm (not to scale) |



| Standard products |

Part Number	Capacitance (F)	ESR (Ω, @1kHz)	Operating Voltage (V)	ΦD (mm)	L (mm)	P (mm)	Φd (mm)
SR 2R5 604	0.6	1.8	2.5	4.0	25.0	1.5	0.45
SR 2R5 105	1.0	1.2		4.0	35.0	1.5	0.45
SR 2R7 604	0.6	0.6	2.7	4.0	25.0	1.5	0.45
SR 2R7 105	1.0	0.4		4.0	35.0	1.5	0.45

Note : It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process

* This data sheet is a preliminary version. Some specifications may change or be determined in detail at production stage.

Distributed by :
2B Elettronica srl
Via Aurelia 424 - 00165 - Roma

Tel +39 06 6622432
Fax +39 06 6632956
Email : info@2belettronica.it
web : www.2belettronica.it