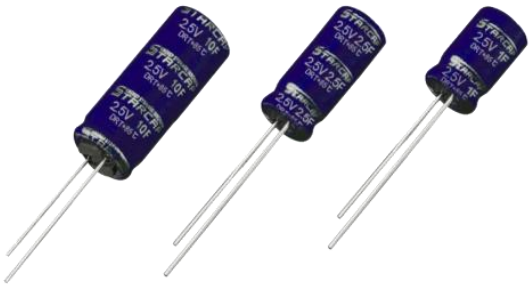
DRT series

ENERGY STORAGE INNOVATOR STARCAP

| Features |

- Wide operating temperature range from **-40℃ to +85℃**
- Low ESR and high power
- Pb free and RoHS compliant



| Application |

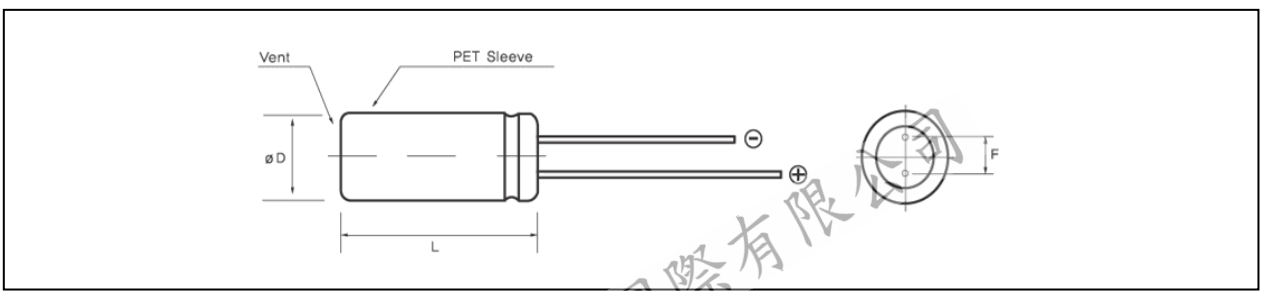
- **Automotive applications** such as DVR, Black box
- Smart meters (Electricity, Gas, Water)
- Various motor drive, valve open and close

| Specifications |

Items	Characteristics
Rated voltage	2.5 VDC
Operating temperature	-40 to +85℃
Capacitance	1 to 50F
Capacitance tolerance	-20% to +40% (at 25℃)
Endurance	After 1,000 hours applied with 2.5VDC at +85℃, the capacitor shall meet the following limits. • Capacitance change : Within ±30% of initial measured value • ESR : 4 times or less than initial measured value
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
Shelf life	After 1,000hours storage at +65℃ without load, the capacitor shall meet the specified limit for "Endurance"

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

| Shape of Standard Product |



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

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DRT series

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| Standard Products and Dimensions (not to scale) |

Part number	Operating voltage (V)	Capacitance (F)	ESR (Ω, @1kHZ)	ØD X L(mm)	F (mm)
DRT 2R5 105	2.5	1	≤ 0.200	Ø8.0 X 13.0	3.5
DRT 2R5 255		2.5	≤ 0.075	Ø8.0 X 20.0	3.5
DRT 2R5 505		5	≤ 0.060	Ø10.0 X 20.0	5.0
DRT 2R5 705		7	≤ 0.050	Ø10.0 X 25.0	5.0
DRT 2R5 106		10	≤ 0.035	Ø10.0 X 30.0	5.0
DRT 2R5 156		15	≤ 0.030	Ø12.5 X 25.0	5.0
DRT 2R5 226		22	≤ 0.020	Ø16 X 25.0	7.5
DRT 2R5 336		33	≤ 0.018	Ø16 X 35.0	7.5
DRT 2R5 506		50	≤ 0.017	Ø18 X 40.0	7.5

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