DRMT series

ENERGY STORAGE INNOVATOR STARCAP

| Features |

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

| Applications |

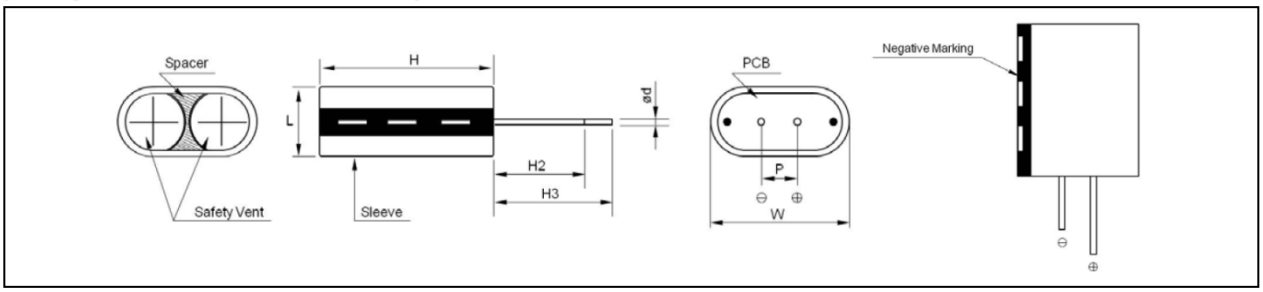
- **Automotive applications** such as DVR, Black box
- Smart meters (Electricity, Gas, Water)
- Various motor drive, valve open and close

| Specifications |

Items	Characteristics
Rated working voltage	5.0 VDC
Operating temperature	-40 to +85℃
Nominal Cap. range	0.5F to 7.5F
Capacitance tolerance	-20% to +40%(at 25℃)
Endurance	After 1,000 hours applied with 5.0VDC 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 |



| Standard Products and Dimensions (not to scale) |

Part number	Operating Voltage(V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	W x L x H (mm)	F (mm)
DRMT 5R0 504	5.0	-40 ~ 85℃	0.5	≤ 0.400	16.5 X 8.0 X 14.0	5.2/12.5
DRMT 5R0 125			1.2	≤ 0.150	16.5 X 8.0 X 21.0	5.2/12.5
DRMT 5R0 155			1.5	≤ 0.150	16.5 X 8.0 X 21.0	5.2/12.5
DRMT 5R0 255			2.5	≤ 0.120	20.5 X 10.0 X 21.0	5.3
DRMT 5R0 355			3.5	≤ 0.100	20.5 X 10.0 X 26.0	5.3
DRMT 5R0 505			5.0	≤ 0.080	20.5 X 10.0 X 31.0	5.3
DRMT 5R0 755			7.5	≤ 0.060	25.5 X 12.5 X 26.0	7.0

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

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