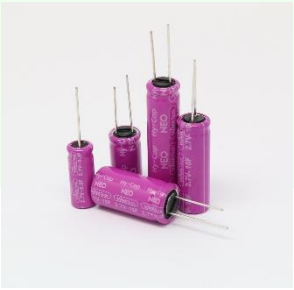
2.7V 10F (1025) VET

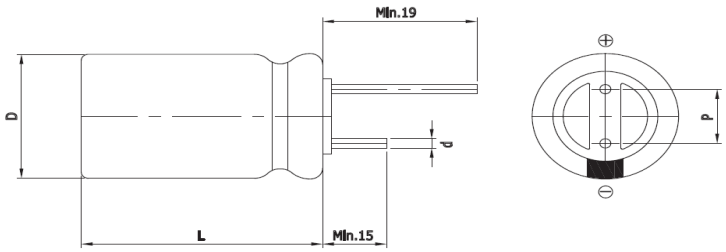
Features

VET (Vina EDLC High Temperature)

- Short-term Peak Power assist applications
- Over 500,000 cycle life (semi-permanent)
- Long-term reliability improved at high temperature
- RoHS compliant
- High Power Density



Drawing



Size	1025
D (Φ)	10.0 +1.0
L (㎜)	25.0 ±1.5
d (Φ)	0.7 ±0.1
P (㎜)	5.0 ±0.5

Specification

Draft

Item		Characteristics	
Rated Voltage (V_R)		2.7V	
Operating Temperature		-40 ~ +85℃	
Capacitance Tolerance		-10 ~ +30%	
High Temperature		After 1,000 hours at V_R loaded under +85℃, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 3 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	△C	≤ 30% of initial value	
	ESR	≤ 3 times of specified value	
	Method	Cycle of Charge/discharge from V_R to 1/2V_R	
Shelf Life		3 Years No Electrical Charge, Temperature below 25℃ (△C : ≤ 10% of initial value / △ESR : ≤ 100% of specified value)	

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR_{AC} (mΩ)	ESR_{DC} (mΩ)	Max Current (A)	Leakage Current (μA)	Size(mm) D x L
VET10252R7106G	2.7	10	45	75	7.7	30	10 x 25

*** Max. Current** : Current needed to discharge cell from rated voltage to half-rated voltage in 1 second.

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