

VET1030 _ 2.7V 10F

New **VINATech**

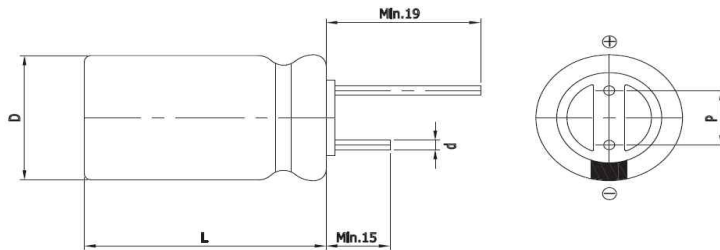
Features

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 and humidity
- RoHS compliant
- High Power Density



Drawing



Size	1030
D (Φ)	10.0 +1.0 Max
L (mm)	30.0 ±1.5
d (Φ)	0.7 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +85°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature & High Humidity Load Life		After 1,000 hours at V _R loaded under +85°C, 85%RH Humidity, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 3 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 3 times of specified value	
	Method	Cycle of Charge/discharge from V _R to 1/2V _R	
Shelf Life		2 Years	
		No Electrical Charge, Temperature below 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR _{AC} (mΩ)	ESR _{DC} (mΩ)	Max Current (A)	Leakage Current (mA)	Weight (g)
VET2R7106QG	2.7 Surge Voltage (3.0V)	10 @ 25°C	50 @ 25°C 1kHz	75 @ 25°C 10msec	7.5 @ 25°C	0.030 @ 25°C 72hr	3.2±0.2

* **Max. Current** : 1 sec. discharge to 1/2V_R

* **Note:** The products are tested based on the test conditions and methods defined in AEC-Q200

VINATech Co., Ltd. Tel : +82 63 715 3020 E-mail : hycap@vina.co.kr Web : www.vina.co.kr

VET1040 _ 2.7V 15F

New **VINA**Tech

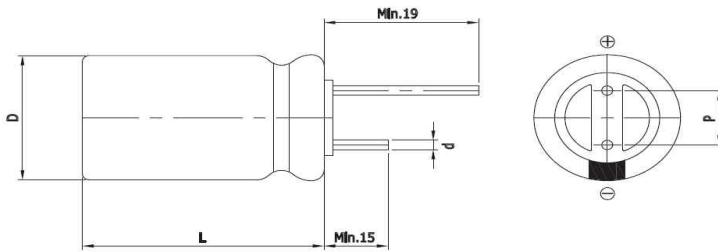
Features

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 and humidity
- RoHS compliant
- High Power Density



Drawing



Size	1040
D (Φ)	10.0 +1.0 Max
L (mm)	40.0 ±1.5
d (Φ)	0.7 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +85°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature & High Humidity Load Life		After 1,000 hours at V _R loaded under +85°C, 85%RH Humidity, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 3 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 3 times of specified value	
	Method	Cycle of Charge/discharge from V _R to 1/2V _R	
Shelf Life		2 Years No Electrical Charge, Temperature below 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR _{AC} (mΩ)	ESR _{DC} (mΩ)	Max Current (A)	Leakage Current (mA)	Weight (g)
VET2R7156QD	2.7 Surge Voltage (3.0V)	15 @ 25°C	40 @ 25°C 1kHz	60 @ 25°C 10msec	10.5 @ 25°C	0.040 @ 25°C 72hr	4.3±0.2

* **Max. Current** : 1 sec. discharge to 1/2V_R

* **Note:** The products are tested based on the test conditions and methods defined in AEC-Q200

VINATech Co., Ltd. Tel : +82 63 715 3020 E-mail : hycap@vina.co.kr Web : www.vina.co.kr

VET1325 _ 2.7V 15F

New **VINATech**

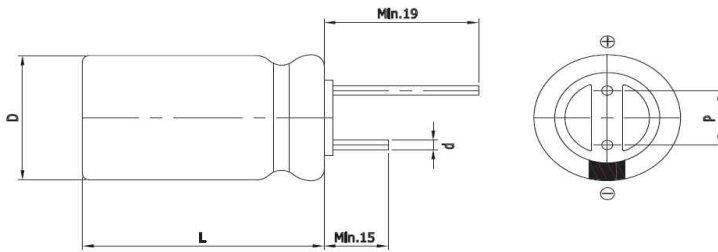
Features

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 and humidity
- RoHS compliant
- High Power Density



Drawing



Size	1325
D (Φ)	12.5 +1.0 Max
L (mm)	25.0 ±1.5
d (Φ)	0.7 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +85°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature & High Humidity Load Life		After 1,000 hours at V _R loaded under +85°C, 85%RH Humidity, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 3 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 3 times of specified value	
	Method	Cycle of Charge/discharge from V _R to 1/2V _R	
Shelf Life		2 Years	
		No Electrical Charge, Temperature below 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR _{AC} (mΩ)	ESR _{DC} (mΩ)	Max Current (A)	Leakage Current (mA)	Weight (g)
VET2R7156QG	2.7 Surge Voltage (3.0V)	15 @ 25°C	40 @ 25°C 1kHz	60 @ 25°C 10msec	10.5 @ 25°C	0.040 @ 25°C 72hr	4.5±0.2

* **Max. Current** : 1 sec. discharge to 1/2V_R

* **Note:** The products are tested based on the test conditions and methods defined in AEC-Q200

VINATech Co., Ltd. Tel : +82 63 715 3020 E-mail : hycap@vina.co.kr Web : www.vina.co.kr

VET0820 _ 2.7V 3.3F

New **VINATech**

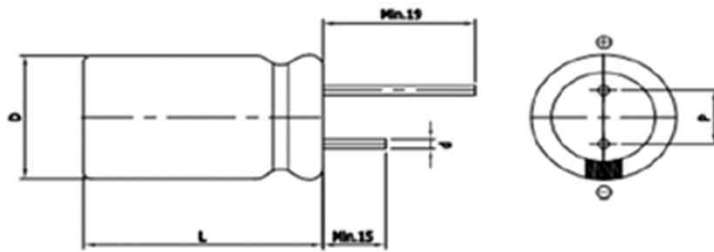
Features

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 and humidity
- RoHS compliant
- High Power Density



Drawing



Size	0820
D (Φ)	8.0 +1.0 Max
L (mm)	20.0 ±1.5
d (Φ)	0.7 ±0.1
P (mm)	3.5 ±0.5

Specification

Item		Characteristics	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +85°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature & High Humidity Load Life		After 1,000 hours at V _R loaded under +85°C, 85%RH Humidity, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 3 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 3 times of specified value	
	Method	Cycle of Charge/discharge from V _R to 1/2V _R	
Shelf Life		2 Years	
		No Electrical Charge, Temperature below 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR _{AC} (mΩ)	ESR _{DC} (mΩ)	Max Current (A)	Leakage Current (mA)	Weight (g)
VET2R7335QG	2.7 Surge Voltage (3.0V)	3.3 @ 25°C	140 @ 25°C 1kHz	210 @ 25°C 10msec	2.5 @ 25°C	0.010 @ 25°C 72hr	1.5±0.2

* **Max. Current** : 1 sec. discharge to 1/2V_R

* **Note:** The products are tested based on the test conditions and methods defined in AEC-Q200

VINATech Co., Ltd. Tel : +82 63 715 3020 E-mail : hycap@vina.co.kr Web : www.vina.co.kr

VET1020 _ 2.7V 5F

New **VINATech**

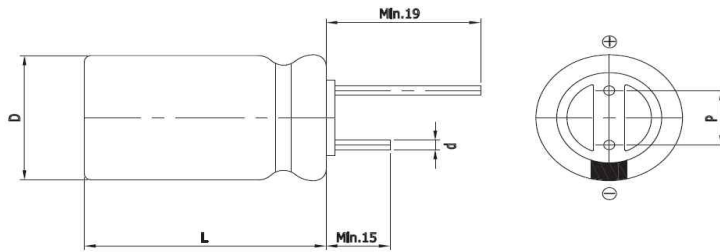
Features

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 and humidity
- RoHS compliant
- High Power Density



Drawing



Size	1020
D (Φ)	10.0 +1.0 Max
L (mm)	20.0 ±1.5
d (Φ)	0.7 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +85°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature & High Humidity Load Life		After 1,000 hours at V _R loaded under +85°C, 85%RH Humidity, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 3 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 3 times of specified value	
	Method	Cycle of Charge/discharge from V _R to 1/2V _R	
Shelf Life		2 Years	
		No Electrical Charge, Temperature below 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR _{AC} (mΩ)	ESR _{DC} (mΩ)	Max Current (A)	Leakage Current (mA)	Weight (g)
VET2R7505QG	2.7 Surge Voltage (3.0V)	5 @ 25°C	90 @ 25°C 1kHz	135 @ 25°C 10msec	4 @ 25°C	0.015 @ 25°C 72hr	2.2±0.2

* **Max. Current** : 1 sec. discharge to 1/2V_R

* **Note:** The products are tested based on the test conditions and methods defined in AEC-Q200

VINATech Co., Ltd. Tel : +82 63 715 3020 E-mail : hycap@vina.co.kr Web : www.vina.co.kr

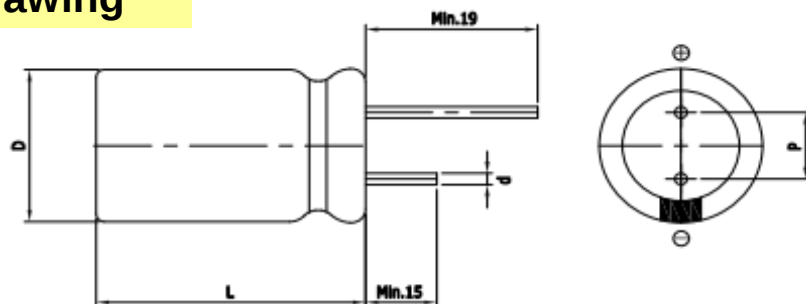
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	8.0 +1.0 Max
L (mm)	13.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	3.5 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V_R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V_R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 105 QG	2.7	1	155	230	1.0	0.002	08 x 13

* Max. Current : 1 sec. discharge to $1/2V_R$

Version 1.3 2021.02.01.

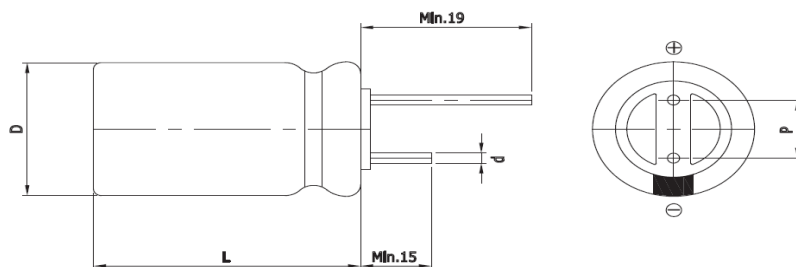
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	10.0 +1.0 Max
L (mm)	25.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65℃	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65℃, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85℃ Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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℃ (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 106 QA	2.7	10	37	65	8.0	0.020	10 x 25

* Max. Current : 1 sec. discharge to $1/2V_R$

Version 1.3 2021.02.01.

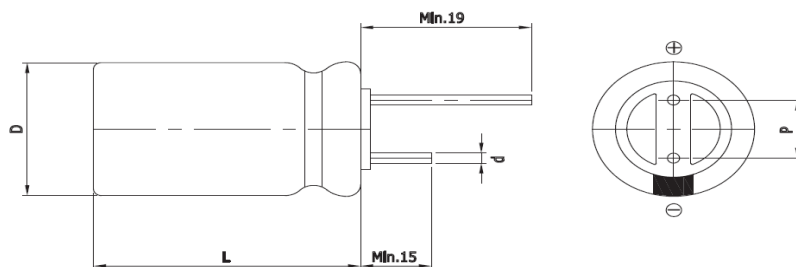
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	12.5 +1.0 Max
L (mm)	20.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 106 QC	2.7	10	45	70	7.5	0.020	13 x 20

* Max. Current : 1 sec. discharge to 1/2V_R

Version 1.3 2021.02.01.

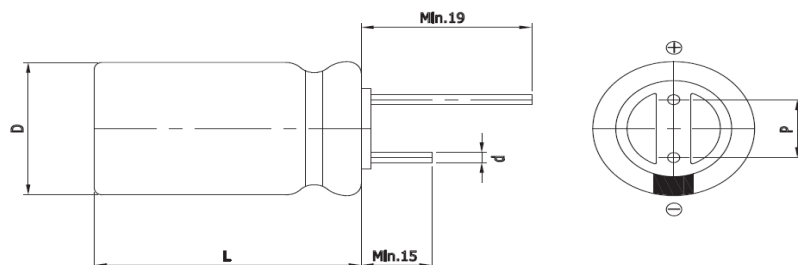
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	12.5 +1.0 Max
L (mm)	25.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 156 QG	2.7	15	30	45	12.0	0.030	13 x 25

* Max. Current : 1 sec. discharge to 1/2V_R

Version 1.3 2021.02.01.

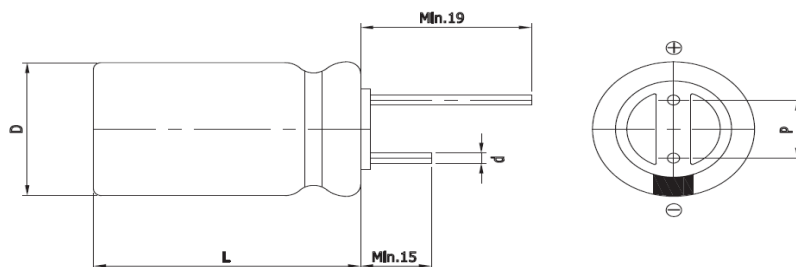
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	16.0 +1.0 Max
L (mm)	25.0 ±1.5
d (Φ)	0.8 ±0.1
P (mm)	7.5 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 256 QG	2.7	25	21	30	19.0	0.050	16 x 25

* Max. Current : 1 sec. discharge to $1/2V_R$

Version 1.3 2021.02.01.

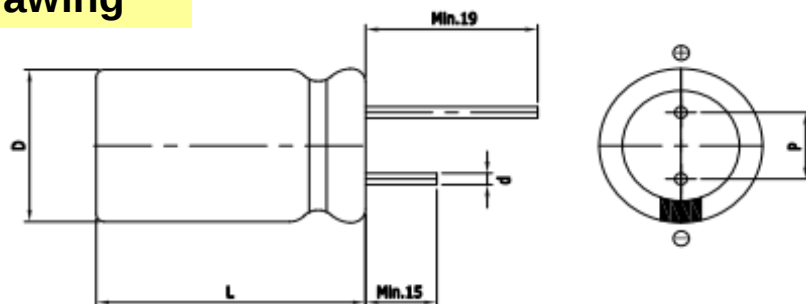
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	8.0 +1.0 Max
L (mm)	20.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	3.5 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V_R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V_R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 335 QG	2.7	3.3	80	140	3.0	0.007	08 x 20

* Max. Current : 1 sec. discharge to $1/2V_R$

Version 1.3 2021.02.01.

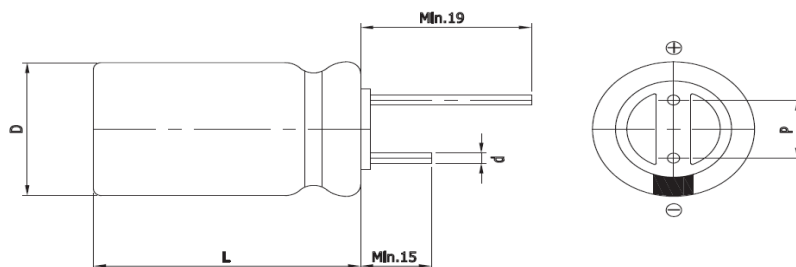
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	18.0 +1.0 Max
L (mm)	30.0 ±1.5
d (Φ)	0.8 ±0.1
P (mm)	7.5 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm) D x L
			AC(1kHz)	DC			
WEC 2R7 346 QA	2.7	34	18	27	23.0	0.068	18 x 30

* Max. Current : 1 sec. discharge to $1/2V_R$

Version 1.3 2021.02.01.

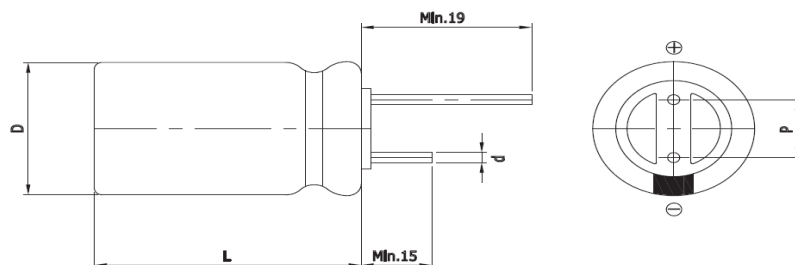
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	12.5 +1.0 Max
L (mm)	46.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 406 QC	2.7	40	18	30	24.0	0.080	13 x 46

* Max. Current : 1 sec. discharge to 1/2V_R

Version 1.3 21.02.01.

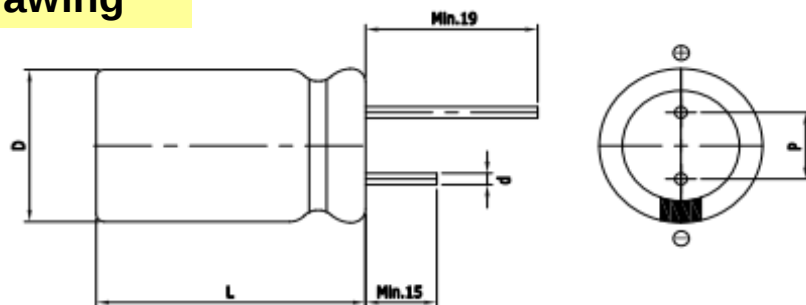
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	8.0 +1.0 Max
L (mm)	25.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	3.5 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 505 QA	2.7	5	45	75	4.5	0.010	08 x 25

* Max. Current : 1 sec. discharge to 1/2V_R

Version 1.3 2021.02.01.

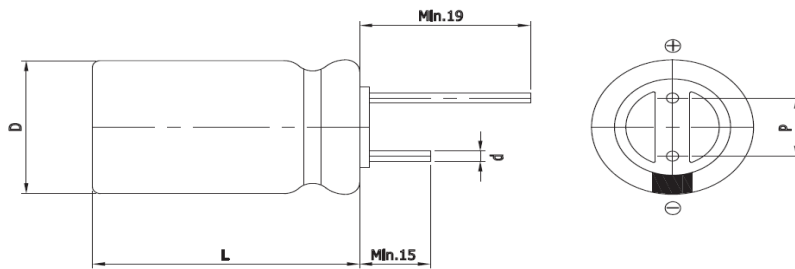
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	10. +1.0 Max
L (mm)	20.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 505 QG	2.7	5	65	100	4.5	0.010	10 x 20

* Max. Current : 1 sec. discharge to 1/2V_R

Version 1.3 2021.02.01.

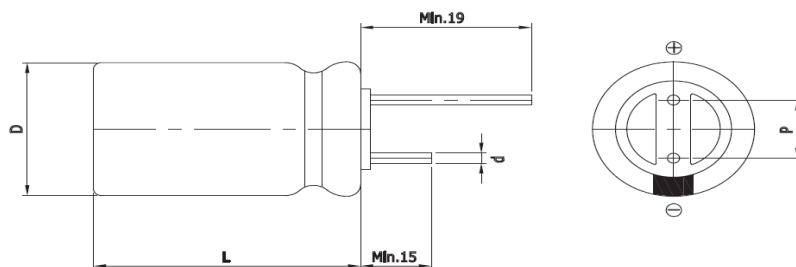
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	18.0 +1.0 Max
L (mm)	40.0 ±1.5
d (Φ)	0.8 ±0.1
P (mm)	7.5 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L
WEC 2R7 506 QG	2.7	50	13.5	20	33.0	0.100	18 x 40

* Max. Current : 1 sec. discharge to 1/2V_R

Version 1.3 21.02.01.

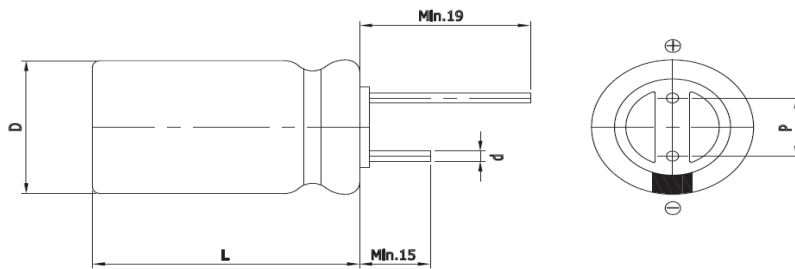
Features

EDLC (Electric Double Layer Capacitor)

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



Drawing



D (Φ)	10. +1.0 Max
L (mm)	20.0 ±1.5
d (Φ)	0.6 ±0.1
P (mm)	5.0 ±0.5

Specification

Item		Characteristics	
Product series		EDLC	
Rated Voltage (V _R)		2.7V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 2.3V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	≤ 30% of initial value	
	ESR	≤ 2 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 (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm) D x L
			AC(1kHz)	DC			
WEC 2R7 705 QG	2.7	7	65	110	5.0	0.014	10 x 20

* Max. Current : 1 sec. discharge to 1/2V_R

Version 1.3 2021.02.01.