

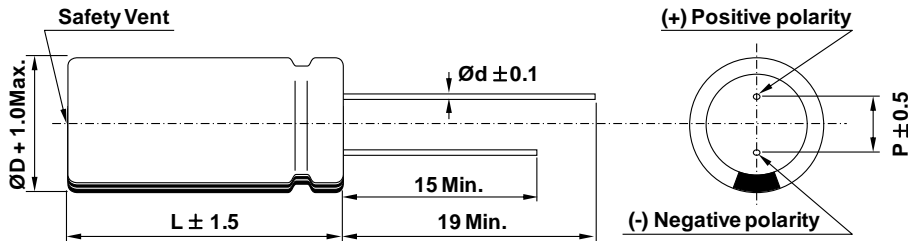
FEATURES

EDLC (Electric Double Layer Capacitor)

- High Power Density (Low ESR)
- Over 500,000 cycle life (semi-permanent)
- Short-term Peak Power assist applications
- RoHS compliant
- Long-term reliability improved at high temperature and humidity(65°C 90%RH)



Drawing



D(Φ)	8	10, 13	16, 18
d(Φ)		0.6	0.8
P(mm)	3.5	5.0	7.5

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 $\leq 30\%$ of initial value ESR ≤ 2 times of specified value
Cycle Life	Cycle Over 500,000 $\Delta C \leq 30\%$ of initial value
Characteristics	ESR ≤ 2 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 ($\Delta C : \leq 10\%$ of initial value / $\Delta \text{ESR} : \leq 50\%$ of specified value)

2.7V NEO SERIES - Lead terminal



Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm) D × L	Weight (g)	Volume (ml)
			AC(1kHz)	DC					
WEC2R7105QG	2.7	1	155	230	1.0	0.002	08 × 13	1.1	0.7
WEC2R7155QG		1.5	100	150	1.5	0.003	08 × 20	1.4	1.0
WEC2R7335QG		3.3	80	140	3.0	0.007	08 × 20	1.5	1.0
WEC2R7505QA		5	45	75	4.5	0.010	08 × 25	1.8	1.3
WEC2R7505QG		5	65	100	4.5	0.010	10 × 20	2.1	1.6
WEC2R7705QG		7	65	110	5.0	0.014	10 × 20	2.2	1.6
WEC2R7106QA		10	37	65	8.0	0.020	10 × 25	2.6	2.0
WEC2R7106QG		10	30	45	9.0	0.020	10 × 30	3.2	2.4
WEC2R7106QC		10	45	70	7.5	0.020	13 × 20	3.4	2.7
WEC2R7156QG		15	30	45	12.0	0.030	13 × 25	4.5	3.3
WEC2R7186QC		18	30	50	12.5	0.036	13 × 25	4.8	3.3
WEC2R7406QC		40	18	30	24.0	0.080	13 × 46	8.0	6.1
WEC2R7256QG		25	21	30	19.0	0.050	16 × 25	6.8	5.0
WEC2R7346QA		34	18	27	23.0	0.068	18 × 30	9.2	7.6
WEC2R7506QG	50	13.5	20	33.0	0.100	18 × 40	12.5	10.2	

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

* **When do module more than 2 series, please fully discharge over 1 hour first, then assemble right after within 1 hour.**



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