

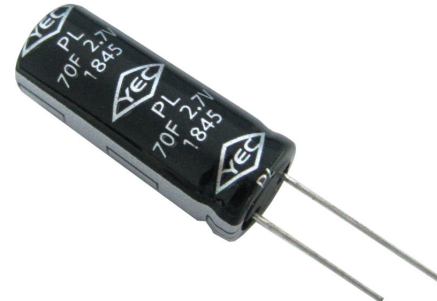


Power Type PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



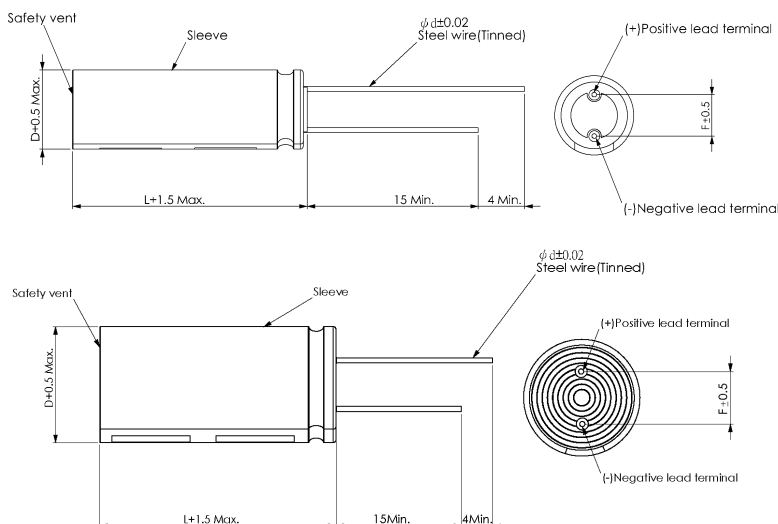
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics	
Rated Voltage	2.7 V	
Surge Voltage	2.85 V	
Capacitance Tolerance	-20 % / +20 %	
Operating Temperature	-40 °C to 65 °C	
Storage Temperature	-40 °C to 70 °C	
Endurance	1000hr @65°C at Rated Voltage	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Cycle Life	500k cycles	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C		

Dimensions



Size List

Size	D	L	d	F
8X12	8	12	0.6	3.5
8X14	8	14	0.6	3.5
8X16	8	16	0.6	3.5
8X20	8	20	0.6	3.5
8X28	8	28	0.6	3.5
10X20	10	20	0.6	5.0
10X25	10	25	0.6	5.0
10X30	10	30	0.6	5.0
12.5X31.5	12.5	31.5	0.8	5.3
12.5X35.5	12.5	35.5	0.8	5.3
16X26	16	26	0.8	7.5
16X31.5	16	31.5	0.8	7.5
18X40	18	40	0.8	7.5
18X45	18	45	1	7.5
18X60	18	60	1	7.5
22X45	22	45	1	9.5

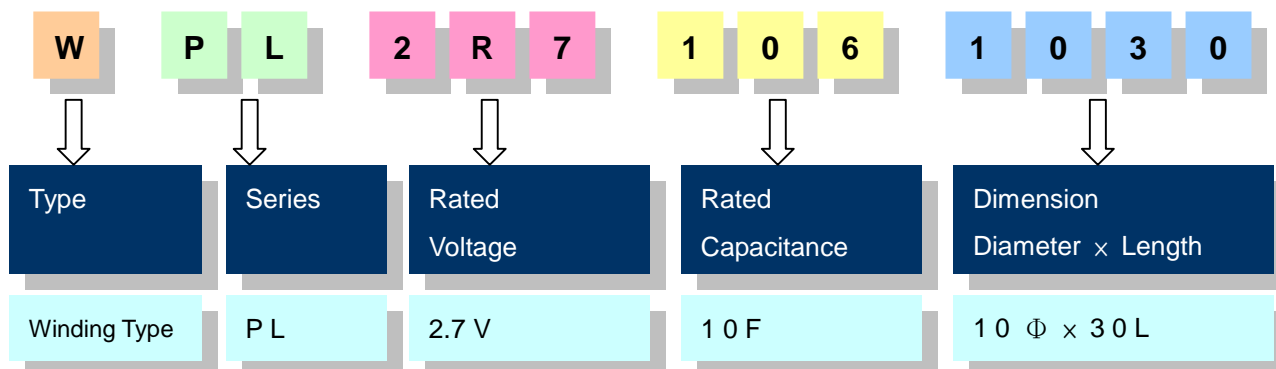




Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy		Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	ISC (A)	Weight (g)	Part Number
		AC (1kHz)	DC		(Wh)	(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)					
0.5	8X12	700	1800	0.002	0.0005	0.5063	0.8397	486	2604	0.355	1.50	1	WPL2R75040812	
1	8X12	315	700	0.006	0.0010	0.9205	1.6794	1136	5260	0.794	3.86	1.1	WPL2R71050812	
1.5	8X14	190	410	0.008	0.0015	1.2656	2.1593	1778	7993	1.254	6.59	1.2	WPL2R71550814	
2	8X16	180	350	0.010	0.0020	1.5577	2.5192	1923	7788	1.588	7.71	1.3	WPL2R72050816	
3.3	8X20	190	300	0.012	0.0033	2.0250	3.3253	1767	5813	2.239	9.00	1.65	WPL2R73350820	
4	10X20	105	200	0.014	0.0041	1.8409	2.5796	1988	7890	3.000	13.50	2.2	WPL2R74051020	
5	10X20	90	160	0.015	0.0051	2.2011	3.2245	2377	8804	3.750	16.88	2.3	WPL2R75051020	
6	8X28	80	140	0.012	0.0061	2.6413	4.3186	2717	9905	4.402	19.29	2.3	WPL2R76050828	
6	10X20	70	130	0.012	0.0061	2.4300	3.8694	2692	10414	4.551	20.77	2.5	WPL2R76051020	
8	10X25	60	100	0.020	0.0081	2.7000	4.1274	2916	10125	6.000	27.00	3	WPL2R78051025	
10	10X30	50	75	0.030	0.0101	2.8929	4.2994	3333	10414	7.714	36.00	3.5	WPL2R71061030	
15	12.5x31.5	35	60	0.035	0.0152	2.8656	3.9308	2751	9825	10.658	45.00	5.3	WPL2R71561232	
22	12.5X35.5	30	45	0.045	0.0223	3.4269	5.1156	2991	9346	14.925	60.00	6.5	WPL2R72261236	
25	16X26	28	42	0.045	0.0253	3.3750	4.8445	2777	8679	16.463	64.29	7.5	WPL2R72561626	
30	16X31.5	25	35	0.065	0.0304	3.4517	4.7984	2840	8284	19.756	77.14	8.8	WPL2R73061632	
50	18X40	15	20	0.075	0.0506	3.8942	4.9761	3365	9346	33.750	135.0	13	WPL2R75061840	
60	18X45	14	20	0.100	0.0608	3.7969	5.3079	2734	8136	36.818	135.0	16	WPL2R76061845	
70	18X45	13	20	0.100	0.0709	4.2955	6.1925	2651	8497	39.375	135.0	16.5	WPL2R77061845	
100	22X45	10	15	0.260	0.1013	4.4022	5.9220	2536	7924	54.000	180.0	23	WPL2R71072245	
100	18x60	10	16	0.260	0.1013	4.6023	6.6348	2485	8284	51.923	168.7	22	WPL2R71071860	

Part Numbering System





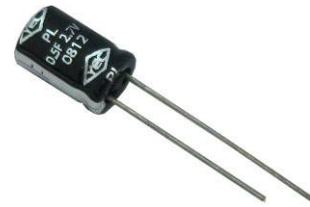
Power Type

PL Series



Features

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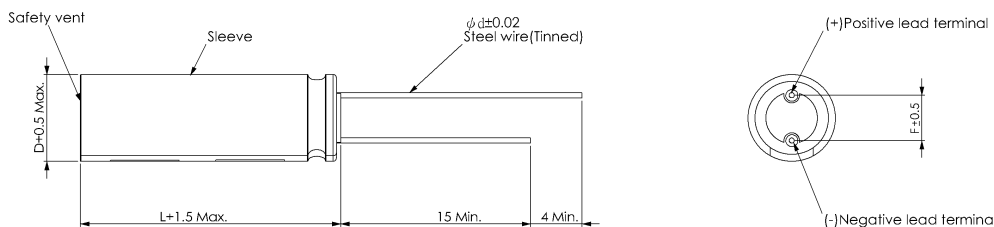
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Specification

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Cycle Life	500k cycles	△C	Within ±30% of initial measured value
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Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
8	12	0.6	3.5

Standard Ratings

Rated Cap (F) measure at 25 °C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25 °C	Stored Energy (Wh)	Specific Energy			Specific Power		Max. Current 1s to 1/2V (A)	ISC (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)					
0.5	8X12	700	1800	0.002	0.0005	0.5063	0.8397	486	2604	0.355	1.50	1	WPL2R75040812	



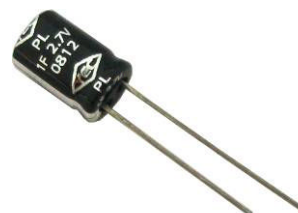


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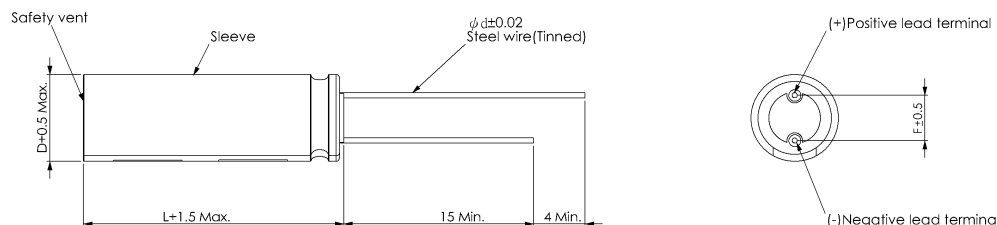
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Dimensions



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8	12	0.6	3.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
1	8X12	315	700	0.006	0.0010	0.9205	1.6794	1136	5260	0.794	3.86	1.1	WPL2R71050812





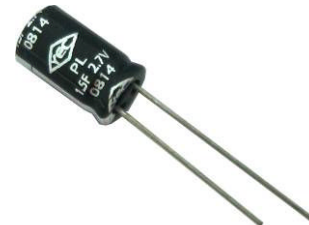
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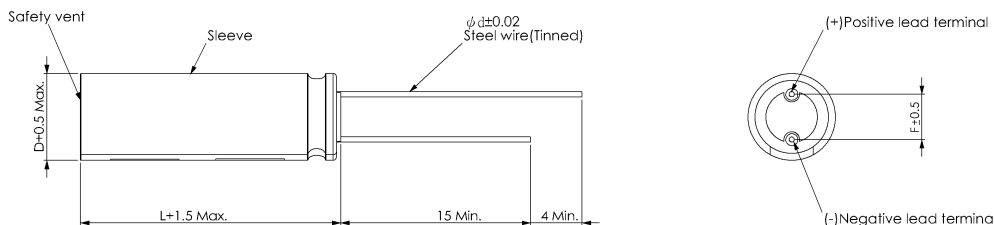
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Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
8	14	0.6	3.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	I _{SC} (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	P _d (W/kg)	P _{max} (W/kg)				
1.5	8X14	190	410	0.008	0.0015	1.2656	2.1593	1778	7993	1.254	6.59	1.2	WPL2R71550814





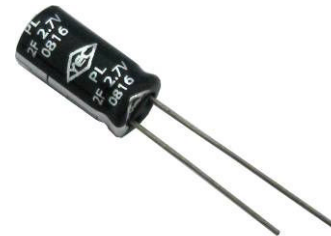
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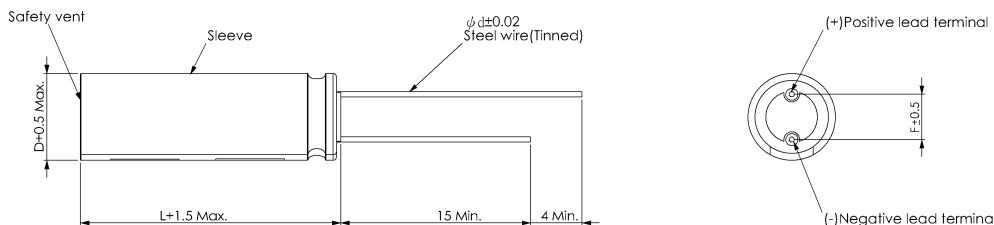
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Life time	10y @ 25 °C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
8	16	0.6	3.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	I _{SC} (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	P _d (W/kg)	P _{max} (W/kg)				
2	8X16	180	350	0.010	0.0020	1.5577	2.5192	1923	7788	1.588	7.71	1.3	WPL2R72050816





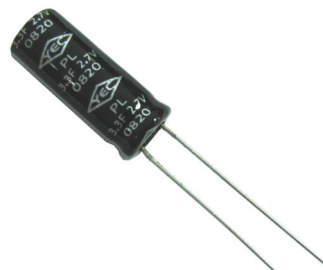
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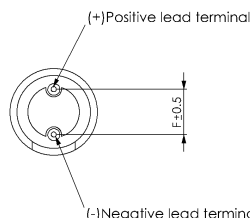
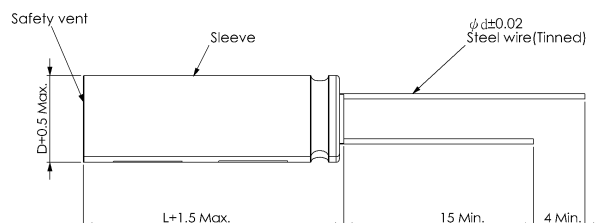
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D	L	d	F
8	20	0.6	3.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
3.3	8X20	190	300	0.012	0.0033	2.0250	3.3253	1767	5813	2.239	9.00	1.65	WPL2R73350820





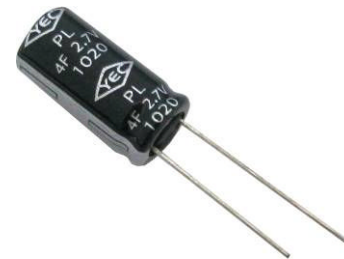
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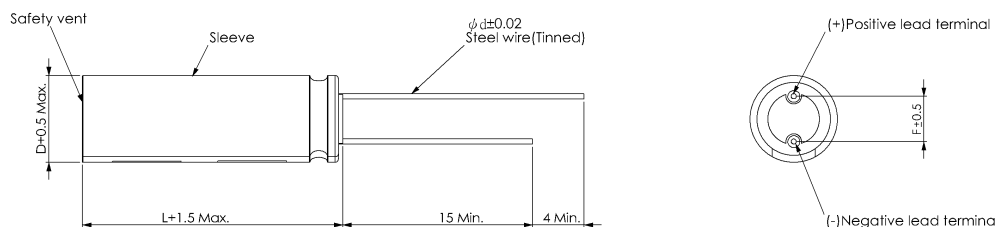
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Cycle: between specified voltage and half voltage under constant current at 25°C		

Dimensions



D	L	d	F
10	20	0.6	5.0

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
4	10X20	105	200	0.014	0.0041	1.8409	2.5796	1988	7890	3.000	13.50	2.2	WPL2R74051020





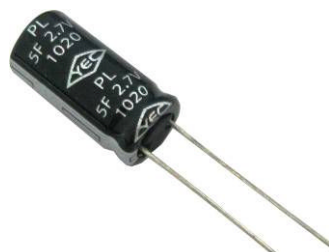
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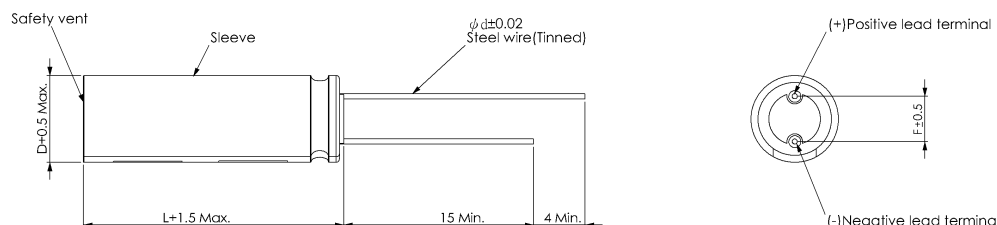
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		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
5	10X20	90	160	0.015	0.0051	2.2011	3.2245	2377	8804	3.750	16.88	2.3	WPL2R75051020





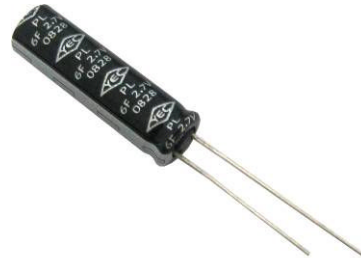
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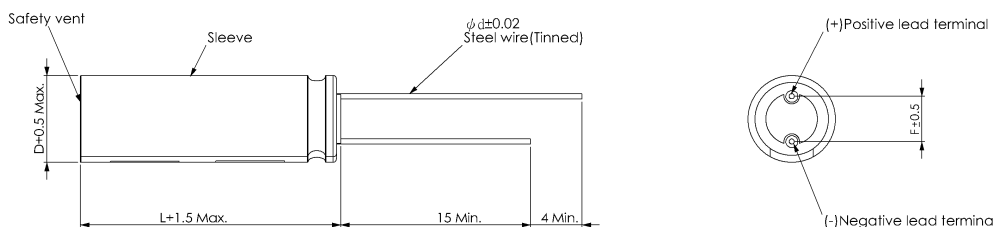
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		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
8	28	0.6	3.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	I _{SC} (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	P _d (W/kg)	P _{max} (W/kg)				
6	8X28	80	140	0.012	0.0061	2.6413	4.3186	2717	9905	4.402	19.29	2.3	WPL2R76050828





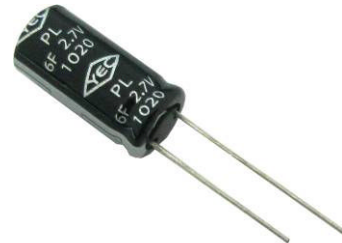
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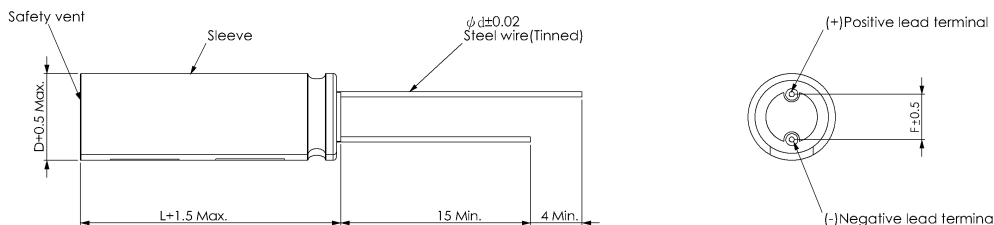
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Dimensions



D	L	d	F
10	20	0.6	5.0

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
6	10X20	70	130	0.012	0.0061	2.4300	3.8694	2692	10414	4.551	20.77	2.5	WPL2R76051020





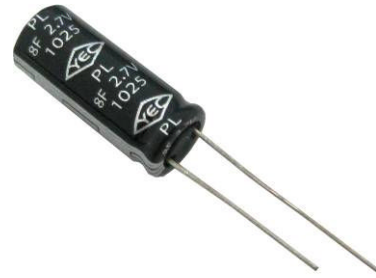
Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



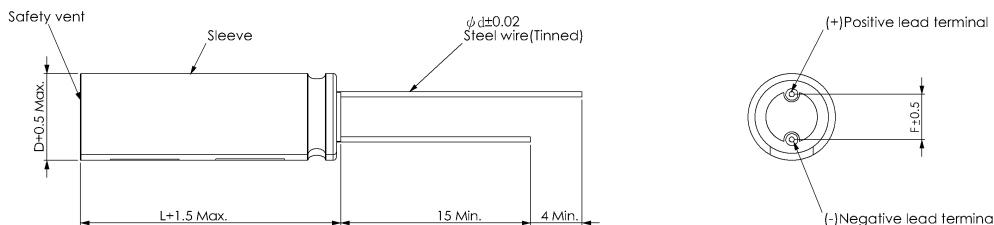
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics		
Rated Voltage	2.7 V		
Surge Voltage	2.85 V		
Capacitance Tolerance	-20 % / +20 %		
Operating Temperature	-40 °C to 65 °C		
Storage Temperature	-40 °C to 70 °C		
Endurance	1000hr @65°C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
10	25	0.6	5.0

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	I _{SC} (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	P _d (W/kg)	P _{max} (W/kg)				
8	10X25	60	100	0.020	0.0081	2.7000	4.1274	2916	10125	6.000	27.00	3	WPL2R78051025





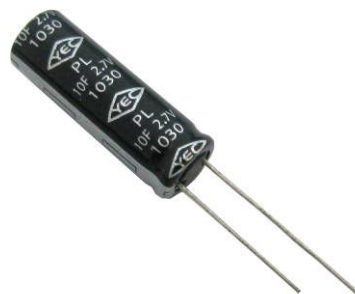
Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



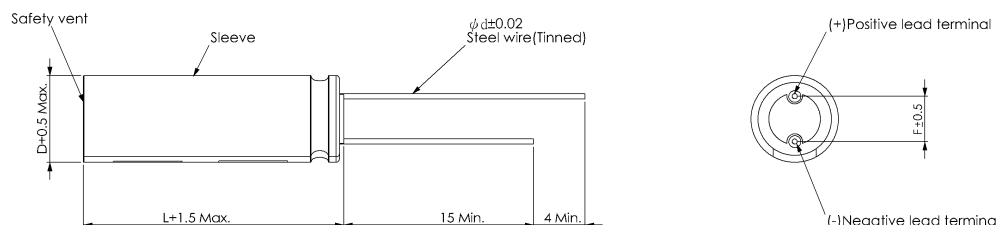
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics		
Rated Voltage	2.7 V		
Surge Voltage	2.85 V		
Capacitance Tolerance	-20 % / +20 %		
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		ESR	Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
10	30	0.6	5.0

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
10	10X30	50	75	0.030	0.0101	2.8929	4.2994	3333	10414	7.714	36.00	3.5	WPL2R71061030





Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



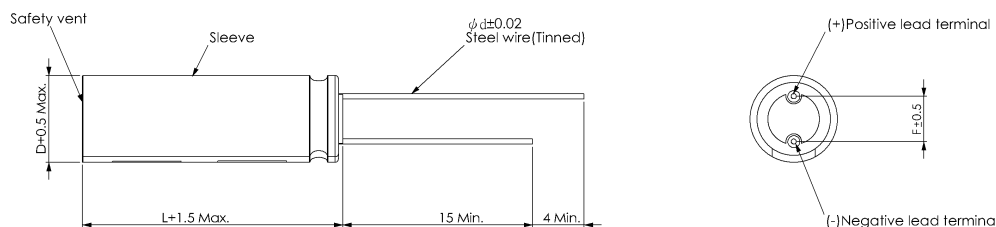
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics		
Rated Voltage	2.7 V		
Surge Voltage	2.85 V		
Capacitance Tolerance	-20 % / +20 %		
Operating Temperature	-40 °C to 65 °C		
Storage Temperature	-40 °C to 70 °C		
Endurance	1000hr @65°C at Rated Voltage	ΔC	Within ±30% of initial measured value
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Life time	10y @ 25 °C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
12.5	31.5	0.8	5.3

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
15	12.5x31.5	35	60	0.035	0.0152	2.8656	3.9308	2751	9825	10.658	45.00	5.3	WPL2R71561232





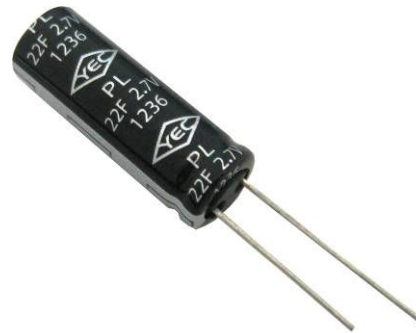
Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



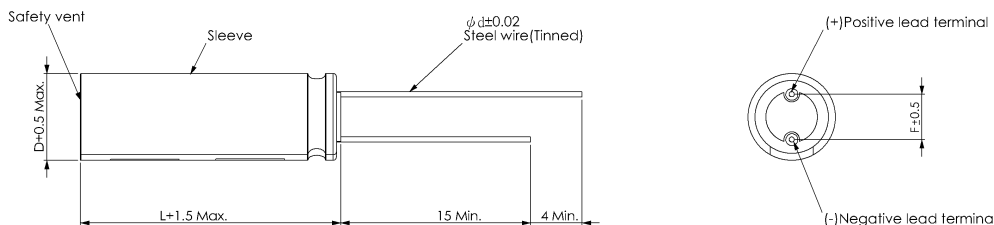
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics		
Rated Voltage	2.7 V		
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		ESR	Within 2 times of initial specified value
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		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
12.5	35.5	0.8	5.3

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
22	12.5X35.5	30	45	0.045	0.0223	3.4269	5.1156	2991	9346	14.925	60.00	6.5	WPL2R72261236





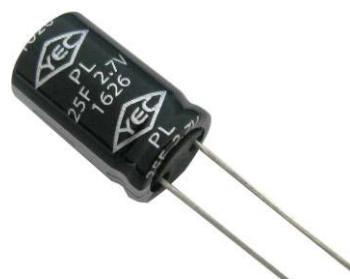
Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



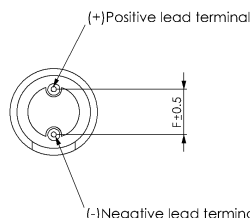
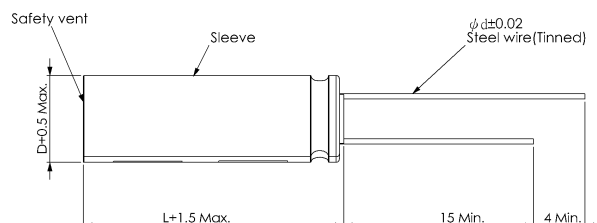
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics		
Rated Voltage	2.7 V		
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		ESR	Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
16	26	0.8	7.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
25	16X26	28	42	0.045	0.0253	3.3750	4.8445	2777	8679	16.463	64.29	7.5	WPL2R72561626





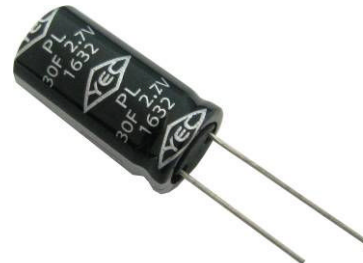
Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



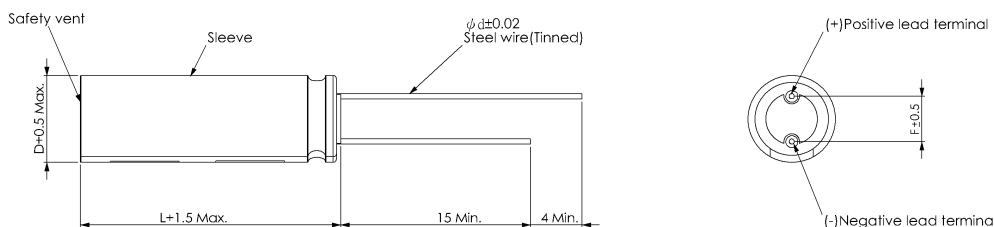
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics		
Rated Voltage	2.7 V		
Surge Voltage	2.85 V		
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		ESR	Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
16	31.5	0.8	7.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	I _{SC} (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	P _d (W/kg)	P _{max} (W/kg)				
30	16X31.5	25	35	0.065	0.0304	3.4517	4.7984	2840	8284	19.756	77.14	8.8	WPL2R73061632





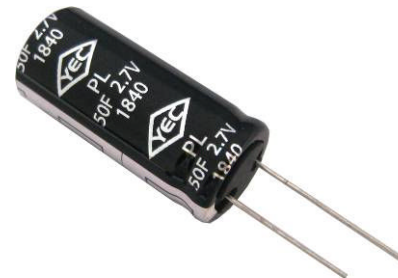
Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



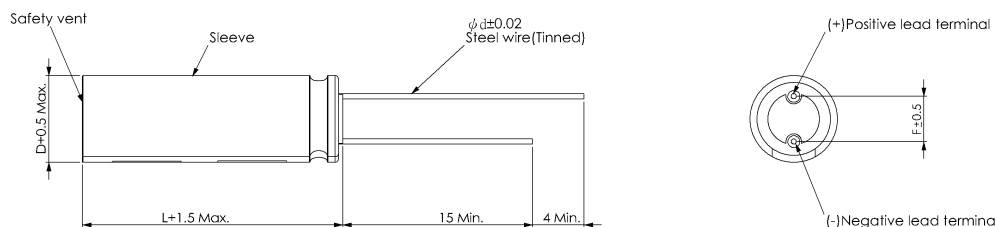
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics	
Rated Voltage	2.7 V	
Surge Voltage	2.85 V	
Capacitance Tolerance	-20 % / +20 %	
Operating Temperature	-40 °C to 65 °C	
Storage Temperature	-40 °C to 70 °C	
Endurance	1000hr @65°C at Rated Voltage	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Cycle Life	500k cycles	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C		

Dimensions



D	L	d	F
18	40	0.8	7.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy			Specific Power		Max. Current 1s to 1/2V (A)	ISC (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)					
50	18X40	15	20	0.075	0.0506	3.8942	4.9761	3365	9346	33.750	135.0	13	WPL2R75061840	





Power Type

PL Series



Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized



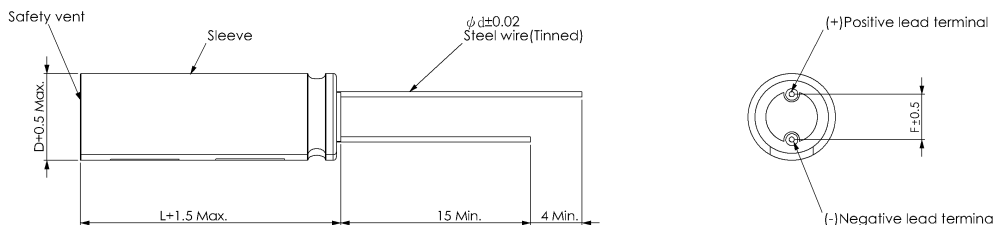
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics		
Rated Voltage	2.7 V		
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		ESR	Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
18	45	1.0	7.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
60	18X45	14	20	0.100	0.0608	3.7969	5.3079	2734	8136	36.818	135.0	16	WPL2R76061845





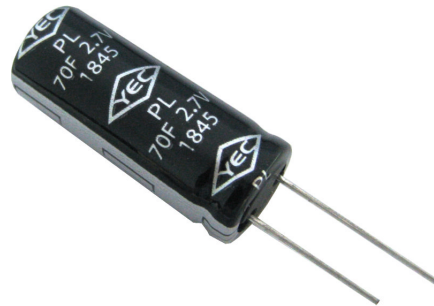
Power Type

PL Series



Features

- Small size and low-resistance
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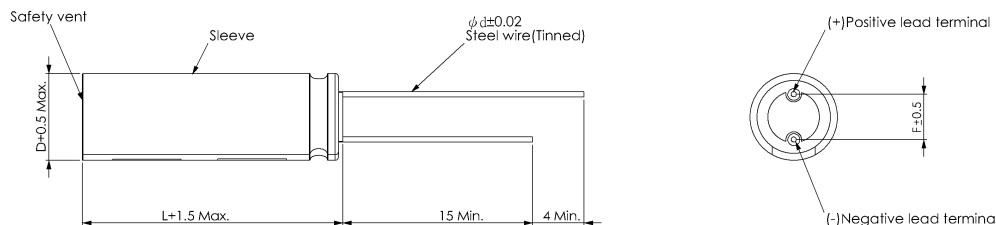
Recommended Applications

- Pulse power demand
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- Power tools

Specification

Items	Characteristics		
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		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
18	45	1.0	7.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
70	18X45	13	20	0.100	0.0709	4.2955	6.1925	2651	8497	39.375	135.0	16.5	WPL2R77061845





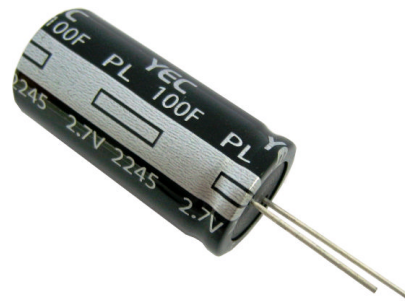
Power Type

PL Series



Features

- Small size and low-resistance
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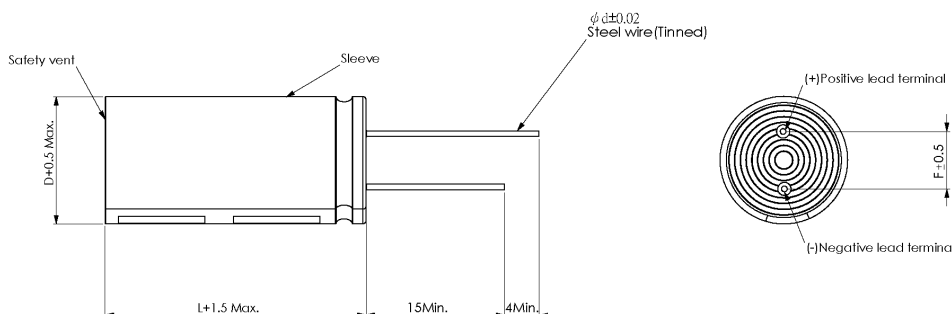
Recommended Applications

- Pulse power demand
- Hybrid battery packs
- Power tools

Specification

Items	Characteristics	
Rated Voltage	2.7 V	
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Storage Temperature	-40 °C to 70 °C	
Endurance	1000hr @65°C at Rated Voltage	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Life time	10y @ 25 °C at Rated Voltage	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Cycle Life	500k cycles	△C Within ±30% of initial measured value
		ESR Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C		

Dimensions



D	L	d	F
22	45	1.0	9.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
100	22X45	10	15	0.260	0.1013	4.4022	5.9220	2536	7924	54.000	180.0	23	WPL2R71072245





Power Type

PL Series

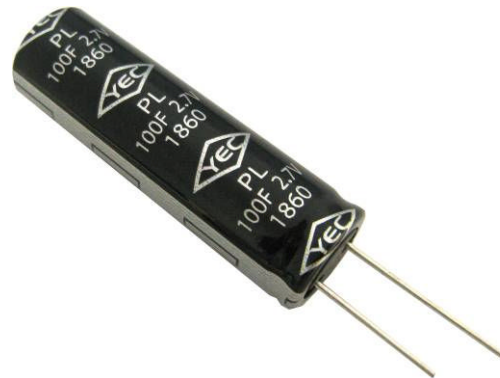


Features

- Small size and low-resistance
- Quick charge & discharge
- Environmentally friendly products
- RoHS compliant
- UL recognized

Recommended Applications

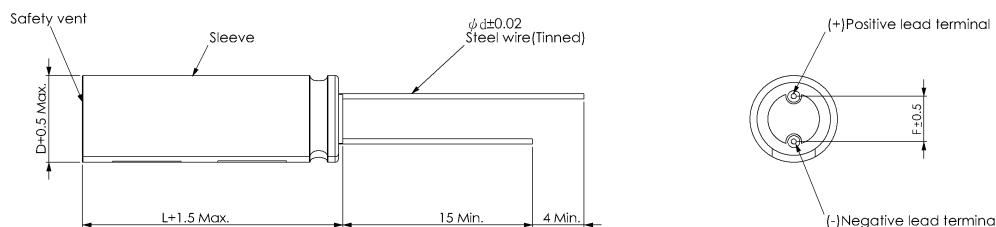
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- Power tools



Specification

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		ESR	Within 2 times of initial specified value
Cycle Life	500k cycles	ΔC	Within ±30% of initial measured value
		ESR	Within 2 times of initial specified value
Cycle: between specified voltage and half voltage under constant current at 25°C			

Dimensions



D	L	d	F
18	60	1.0	7.5

Standard Ratings

Rated Cap (F) measure at 25°C	Size (mm) ΦDXL	Internal Resistance (mΩ)		LC (mA) 72hrs, 25°C	Stored Energy (Wh)	Specific Energy		Specific Power		Max. Current 1s to 1/2V (A)	Isc (A)	Weight (g)	Part Number
		AC (1kHz)	DC			(Wh/kg)	(Wh/l)	Pd (W/kg)	Pmax (W/kg)				
100	18x60	10	16	0.260	0.1013	4.6023	6.6348	2485	8284	51.923	168.7	22	WPL2R71071860

