

PX series Low Profile

Features

- ◆ Low profile
- ◆ Low ESR at high frequency range &.Large permissible ripple current.



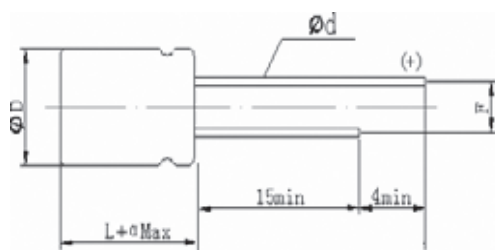
Specifications

Item	Performance Characteristics	
Operating Temperature Range	-55°C~+105°C	
Rated Voltage Range	2.5~25 VDC	
Capacitance Range	6.8 to 820 μF	
Capacitance Tolerance	±20%(120Hz,+20°C)	
Leakage Current (+20°C,max.)	Not to exceed the values shown in Standard Ratings (Rated voltage applied, after 2 minutes at 20°C)	
Dissipation Factor (tan δ , at 20°C , 120Hz)	Not to exceed the values shown in Standard Ratings	
ESR (at 100KHz , 20°C)	Not to exceed the values shown in Standard Ratings	
Endurance 105°C , 2000h , at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified
Moisture Resistance Stored at 60°C , RH90~95% , 1000h	Capacitance Change	Within ±20% of the value before test
	Leakage current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified

Frequency Coefficient for Ripple Current

Frequency	120Hz ≤ freq. < 1KHz	1KHz ≤ freq. < 10KHz	10KHz ≤ freq. < 100KHz	100KHz ≤ freq. < 300KHz
Coefficient	0.05	0.3	0.7	1

Diagram of Dimensions:(unit:mm)



φ DxL	φ D+0.5	α	F±0.5	φ d±0.05
4x5 / 4x7	4.0	1.0	1.5	0.45
4x10	5.0	1.0	1.5	0.50
5x5 / 5x7	5.0	1.0	2.0	0.45
5x8 / 5x9	5.0	1.0	2.0	0.5
5x11	6.3	1.0	2.0	0.6
6.3x5.2 / 6.3x7	6.3	1.0	2.5	0.45
6.3x9	6.3	1.0	2.5	0.5
6.3x11	6.3	1.0	2.5	0.6

Standard Ratings

W.V. (V)	Cap(μF)	Size φ DxL(mm)	L.C. (μA,2min)	tg δ (120Hz,20°C)	ESR (mΩ),100KHz)	Maximum Permissible Ripple Current(mA,r.m.s)
2.5	100	4x5	300	0.08	30	1670
	150	5x5	300	0.08	30	1970
		6.3x5.2	300	0.08	30	2200
	180	5x5	300	0.08	30	1970
	220	5x5	300	0.08	30	2200
	330	6.3x5.2	300	0.08	25	2610
	390	6.3x5.2	300	0.08	20	2690
		6.3x7	300	0.08	15	3100
	470	6.3x5.2	300	0.08	20	2690
6.3x7		300	0.08	15	3100	
560	5x9	300	0.08	15	3100	
	6.3x7	300	0.08	15	3100	
680	6.3x11	300	0.08	15	3500	
4	100	5x5	300	0.08	30	1970
		6.3x5.2	300	0.08	30	2200
	150	6.3x7	300	0.08	25	2670
	220	6.3x7	300	0.08	20	2690
	270	6.3x5.2	300	0.08	25	2610
		6.3x9	300	0.08	15	3300
	330	6.3x5.2	300	0.08	20	2690
		6.3x7	300	0.08	15	3100
	390	6.3x9	300	0.08	15	3300
470	6.3x7	300	0.08	15	3100	
560	6.3x11	300	0.08	15	3500	
6.3	82	6.3x5.2	300	0.08	30	2200
	100	6.3x5.2	300	0.08	25	2390
		6.3x7	300	0.08	20	2690
	150	4x7	300	0.08	35	1900
	220	5x7	300	0.08	20	2450
		5x8	300	0.08	15	2690
		6.3x5.2	300	0.08	20	2690
		6.3x7	300	0.08	15	3100
		6.3x9	300	0.08	15	3300
	270	5x7	300	0.08	20	2450
		5x8	300	0.08	15	2690
	330	5x8	300	0.08	15	2690
		5x9	300	0.08	15	3100
		6.3x5.2	300	0.08	20	2690
	390	6.3x9	300	0.08	15	3300
		5x9	300	0.08	15	3100
470	6.3x11	300	0.08	15	3500	
	6.3x7	300	0.08	15	3100	
680	6.3x9	300	0.08	15	3300	
	6.3x11	300	0.08	15	3500	
820	6.3x11	300	0.08	15	3500	
10	10	4x5	300	0.08	80	1200
	22	4x5	300	0.08	80	1200
	33	5x5	300	0.08	45	1670
		6.3x5.2	300	0.08	30	2200
		6.3x7	300	0.08	25	2410
	39	5x5	300	0.08	45	1670
	47	6.3x5.2	300	0.08	30	2200
		6.3x7	300	0.08	20	2690
		6.3x9	300	0.08	18	3100
	56	6.3x5.2	300	0.08	30	2200
68	6.3x9	300	0.08	18	3100	
82	6.3x5.2	300	0.08	30	2200	

Ripple Current(mA,rms)at 105°C, 100KHz

W.V. (V)	Cap (μ F)	Size φ DxL(mm)	L.C. (μ A,2min)	tg δ (120Hz,20°C)	ESR (mΩ),100KHz)	Maximum Permissible Ripple Current(mA,r.m.s)
10	100	6.3x5.2	300	0.08	30	2200
		6.3x9	300	0.08	18	3100
	150	5x7	300	0.08	25	2100
		6.3x5.2	300	0.08	25	2200
	180	6.3x9	300	0.08	18	3100
		5x11	300	0.08	20	2690
	220	5x11	300	0.08	20	2690
		6.3x9	300	0.08	15	3300
	270	5x11	300	0.08	20	2690
		6.3x7	300	0.08	20	3100
		6.3x11	300	0.08	15	3500
	330	6.3x9	300	0.08	15	3300
470	6.3x9	300	0.08	15	3300	
	6.3x11	300	0.08	15	3500	
16	10	6.3x5.2	300	0.08	30	2200
	22	6.3x5.2	300	0.08	30	2200
		6.3x7	300	0.08	25	2610
	33	6.3x5.2	300	0.08	30	2200
		6.3x7	300	0.08	25	2610
	39	6.3x5.2	300	0.08	30	2200
	47	6.3x5.2	300	0.08	30	2200
		6.3x7	300	0.08	25	2610
	82	6.3x7	300	0.08	20	2690
	100	5x11	300	0.08	20	2690
		6.3x5.2	300	0.08	30	2200
		6.3x9	300	0.08	20	2900
		6.3x11	300	0.08	15	3500
		150	6.3x7	300	0.08	20
	180	6.3x9	300	0.08	20	3100
	220	6.3x9	300	0.08	20	3100
		6.3x11	300	0.08	15	3500
	270	6.3x11	300	0.08	15	3500
330	6.3x9	300	0.08	15	3100	
20	10	6.3x5.2	300	0.08	30	2200
	15	6.3x7	300	0.08	25	2670
		6.3x5.2	300	0.08	30	2200
	22	6.3x7	300	0.08	25	2670
		6.3x7	300	0.08	25	2670
	33	6.3x9	300	0.08	20	2900
		6.3x7	300	0.08	25	2670
	47	6.3x7	300	0.08	25	2670
	56	6.3x9	300	0.08	20	2900
		6.3x9	300	0.08	20	2900
	68	6.3x11	300	0.08	20	2900
		6.3x11	300	0.08	20	2900
82	6.3x11	300	0.08	20	2900	
25	6.8	6.3x5.2	300	0.08	40	1800
	10	6.3x5.2	300	0.08	30	2200
		6.3x7	300	0.08	25	2670
	15	6.3x5.2	300	0.08	30	2200
		6.3x7	300	0.08	25	2670
	22	6.3x7	300	0.08	25	2670
	27	6.3x9	300	0.08	25	2670
	33	6.3x7	300	0.08	25	2670
		6.3x5.2	300	0.08	30	2200
	39	6.3x7	300	0.08	25	2670
	47	6.3x9	300	0.08	25	2670
	56	6.3x11	300	0.08	20	2900
68	6.3x11	300	0.08	20	2900	

Ripple Current(mA,rms)at 105°C,100KHz