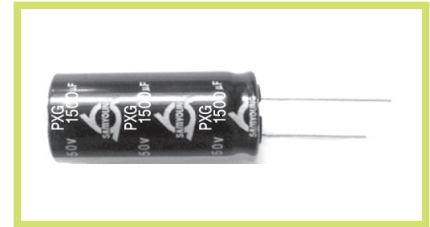
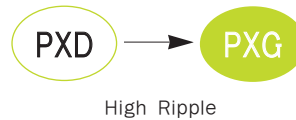


PXG Series

• 125°C 3,000Hrs assured.

- Low impedance.
- Wide Temperature Range.
- Downsize, High Ripple
- RoHS compliant.
- Halogen-free capacitors are also available.

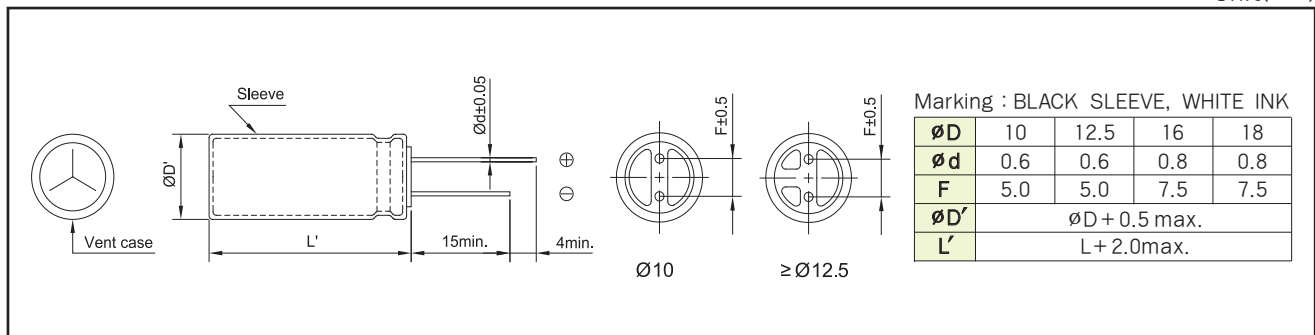


SPECIFICATIONS

Item	Characteristics																					
Rated Voltage Range	10 ~ 100 V _{DC}																					
Operating Temperature Range	-40 ~ +125°C																					
Capacitance Tolerance	±20%(M) (at 20°C,120Hz)																					
Leakage Current	I = 0.03CV (μA) or 4μA, whichever is greater. Where, I:Max. leakage current(μA),C:Nominal capacitance(μF),V:Rated voltage(V _{DC}) (at 20°C, 1 minute)																					
Dissipation Factor(Tanδ)	<table border="1"><tr><td>Rated Voltage(V_{bdc})</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50~63</td><td>80~100</td></tr><tr><td>Tanδ(Max.)</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td></tr></table> (at 20°C,120Hz)							Rated Voltage(V _{bdc})	10	16	25	35	50~63	80~100	Tanδ(Max.)	0.20	0.16	0.14	0.12	0.10	0.08	
Rated Voltage(V _{bdc})	10	16	25	35	50~63	80~100																
Tanδ(Max.)	0.20	0.16	0.14	0.12	0.10	0.08																
Temperature Characteristics (Max. Impedance ratio)	<table border="1"><tr><td>Rated Voltage(V_{bdc})</td><td>10</td><td>16~35</td><td>50~80</td><td>100</td></tr><tr><td>Z(-25°C)/Z(20°C)</td><td>3</td><td>2</td><td>3</td><td>3</td></tr><tr><td>Z(-40°C)/Z(20°C)</td><td>6</td><td>4</td><td>5</td><td>6</td></tr></table> (at 120Hz)							Rated Voltage(V _{bdc})	10	16~35	50~80	100	Z(-25°C)/Z(20°C)	3	2	3	3	Z(-40°C)/Z(20°C)	6	4	5	6
Rated Voltage(V _{bdc})	10	16~35	50~80	100																		
Z(-25°C)/Z(20°C)	3	2	3	3																		
Z(-40°C)/Z(20°C)	6	4	5	6																		
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 3,000 hours at 125°C. Capacitance change ≤ ±30% of the initial value Tanδ ≤ 300% of the initial specified value Leakage Current ≤ The initial specified value																					
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 125°C without voltage applied. The rated volage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤ ±30% of the initial value Tanδ ≤ 300% of the initial specified value Leakage current ≤ The initial specified value																					
Others	Satisfied characteristics KS C IEC 60384-4																					

DIMENSIONS OF PXG Series

Unit(mm)



RATINGS OF PXG Series

V _{DC} ∅ D×L(mm)	10				16				25			
	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)
		20°C	-40°C			20°C	-40°C			20°C	-40°C	
10×12.5	1000	0.14	2.1	900	560	0.14	2.1	900	470	0.14	2.1	900
10×20	1800	0.073	1.1	1540	1200	0.073	1.1	1540	820	0.073	1.1	1540
12.5×20	3300	0.038	0.190	1590	1800	0.038	0.190	1590	1500	0.038	0.190	1590
12.5×25	4700	0.030	0.140	2280	2700	0.030	0.140	2280	2200	0.030	0.140	2280
16×25	6800	0.022	0.092	3030	4700	0.022	0.092	3030	3300	0.022	0.092	3030
16×31.5	8200	0.018	0.071	3330	5600	0.018	0.071	3330	3900	0.018	0.071	3330

V _{DC} ∅ D×L(mm)	35				50				63			
	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)
		20°C	-40°C			20°C	-40°C			20°C	-40°C	
10×12.5	220	0.14	2.1	900	150	0.18	2.7	860	120	0.38	5.7	630
10×20	470	0.073	1.1	1540	330	0.095	1.4	1370	220	0.20	3.0	940
12.5×20	1000	0.038	0.190	1590	470	0.049	0.247	1670	330	0.097	0.750	1310
12.5×25	1200	0.030	0.140	2280	820	0.038	0.180	2030	470	0.072	0.550	1880
16×25	2200	0.022	0.092	3030	1200	0.027	0.130	2690	820	0.047	0.270	2300
16×31.5	2700	0.018	0.071	3330	1500	0.023	0.094	3150	1000	0.037	0.230	2940

V _{DC} ∅ D×L(mm)	80				100			
	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)	μF	Impedance (Ω max./100kHz)		Rated Ripple Current (mA _{rms}) (125°C, 100kHz)
		20°C	-40°C			20°C	-40°C	
10×12.5	82	0.38	5.7	630	68	0.42	6.3	570
10×20	150	0.20	3.0	940	150	0.25	3.8	800
12.5×20	220	0.097	0.750	1310	220	0.120	0.940	1210
12.5×25	330	0.072	0.550	1880	330	0.082	0.700	1800
16×25	560	0.047	0.270	2300	470	0.057	0.390	2190
16×31.5	680	0.037	0.230	2940	680	0.044	0.330	2770

RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Freq.(Hz) Cap.(μF)	120	1k	10k	50k	100k
68~150	0.40	0.75	0.90	0.93	1.00
220~820	0.50	0.85	0.94	0.96	1.00
1,000~1,800	0.60	0.87	0.95	0.97	1.00
2,200~3,900	0.75	0.90	0.95	0.97	1.00
4,700~8,200	0.85	0.95	0.98	0.99	1.00