PXD Series

• 125℃ 2,000~5,000Hrs assured.

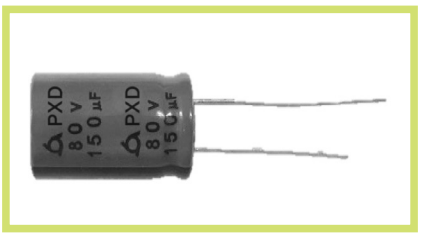
Solvent-proof

WV ≦ 80VDC

- Ultra Low Impedance.
- Wide Temperature range.
- Long Life.
- Suitable to fit for automotive equipment.
- RoHS compliant.
- Halogen-free capacitors are also available.
- AEC-Q200 compliant : Please contact us for more details, test data, information.

PXC → PXD

Low Imp.

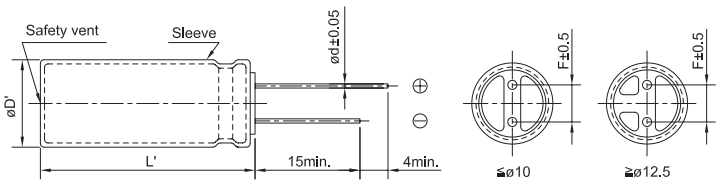


SPECIFICATIONS

Item	Characteristics
Rated Voltage Range	10 ~ 80 VDC
Operating Temperature Range	-40 ~ +125℃
Capacitance Tolerance	±20%(M) (at 20℃,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(VDC) (at 20℃, 1 minute)
Dissipation Factor(Tanδ)	Rated Volatag(VDC): 10 / 16 / 25 / 35 / 50~63 / 80 TANδ(Max.): 0.20 / 0.16 / 0.14 / 0.12 / 0.10 / 0.08 When the capacitance exceeds 1,000μF, 0.02 shall be added every 1,000μF increase. (at 20℃,120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(VDC): 10 / 16 ~ 35 / 50 / 63~80 Z(-25℃)/Z(+20℃): 3 / 2 / 3 / 2 Z(-40℃)/Z(+20℃): 6 / 4 / 5 / 4 (at 120Hz)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied at 125℃. Capacitance change ≦ ±30% of the initial value Tanδ ≦ 300% of the initial specified value Leakage current ≦ The initial specified value ØD: 10~50V / 63~80V 8Ø: 2,000 / - 10Ø~: 4,000 / 5,000
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 125℃ without voltage applied. The rated voltage 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 PXD Series

Unit(mm)



Marking : GREEN SLEEVE, BLACK INK

ØD	8	10	12.5	16	18
Ød	0.6	0.6	0.6	0.8	0.8
F	3.5	5.0	5.0	7.5	7.5
ØD'	ØD+0.5 max.				
L'	L+1.5max.	L+2.0max.			

PXD Series

RATINGS OF PXD Series

WVDC	10				16				25			
Item / μF	ØD×L (mm)	Imp. (Ω max./100kHz)		Rated Ripple Current (mArms)	ØD×L (mm)	Imp. (Ω max./100kHz)		Rated Ripple Current (mArms)	ØD×L (mm)	Imp. (Ω max./100kHz)		Rated Ripple Current (mArms)
		20℃	-40℃	(125℃,100kHz)		20℃	-40℃	(125℃,100kHz)		20℃	-40℃	(125℃,100kHz)
100					8×11.5	0.24	3.6	400				
220	8×11.5	0.24	3.6	400	10×12.5	0.11	1.1	720	10×12.5	0.11	1.1	720
330	10×12.5	0.11	1.1	720	10×12.5	0.11	1.1	720	10×16	0.071	0.71	950
470	10×12.5	0.11	1.1	720	10×16	0.071	0.71	950	10×20	0.056	0.56	1,100
1,000	10×20	0.056	0.56	1,100	12.5×20	0.044	0.31	1,250	12.5×25	0.030	0.21	1,550
2,200	12.5×25	0.030	0.21	1,550	16×25	0.023	0.16	2,000	16×31.5	0.019	0.13	2,500
3,300	16×25	0.023	0.16	2,000	16×31.5	0.019	0.13	2,500				
4,700	16×31.5	0.019	0.13	2,500								

WVDC	35				50				63			
Item / μF	ØD×L (mm)	Imp. (Ω max./100kHz)		Rated Ripple Current (mArms)	ØD×L (mm)	Imp. (Ω max./100kHz)		Rated Ripple Current (mArms)	ØD×L (mm)	Imp. (Ω max./100kHz)		Rated Ripple Current (mArms)
		20℃	-40℃	(125℃,100kHz)		20℃	-40℃	(125℃,100kHz)		20℃	-40℃	(125℃,100kHz)
10					8×11.5	0.30	4.5	230				
22					8×11.5	0.30	4.5	320				
33					8×11.5	0.30	4.5	340				
47					8×11.5	0.30	4.5	340				
100	8×11.5	0.24	3.60	400	10×12.5	0.18	1.5	590				
	10×12.5	0.11	1.10	720								
220	10×16	0.071	0.71	950	10×20	0.074	0.74	950	12.5 X 20	0.19	1.5	950
330	10×20	0.056	0.56	1,100	12.5×20	0.061	0.43	1,150	12.5 X 25	0.15	1.2	1,450
470	12.5×20	0.044	0.31	1,250	12.5×25	0.040	0.28	1,400	12.5 X 30	0.090	0.71	1,700
1,000	16×25	0.023	0.16	2,000	16×31.5	0.028	0.15	2,200	16 X 31.5	0.058	0.46	2,100

WVDC	80			
Item / μF	ØD×L (mm)	Imp. (Ω max./100kHz)		Rated Ripple Current (mArms)
		20℃	-40℃	(125℃,100kHz)
220	12.5 X 25	0.15	1.2	1,450
330	12.5 X 30	0.090	0.71	1,700
	16 X 20	0.085	0.58	1,790
470	12.5 X 35	0.070	0.55	2,000
	16 X 25	0.061	0.48	2,030
560	18 X 25	0.049	0.34	2,280
680	18 X 30	0.041	0.26	2,580
820	18 X 35.5	0.035	0.21	2,890

RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Freq.(Hz) / Cap.(μF)	120	1k	10k	50k	100k
10～100	0.40	0.75	0.90	0.93	1.00
220～470	0.50	0.85	0.94	0.96	1.00
1,000	0.60	0.87	0.95	0.97	1.00
2,200～3,300	0.75	0.90	0.95	0.97	1.00
4,700	0.85	0.95	0.98	0.99	1.00