

XF

Series

■STANDARD RATINGS

WV(vdc) 6.3 **Ripple Current Impedance**					WV(vdc)	10				
Peter	ΦDul	Ripple Current	Imped	dance	Parameter	ΦDul	Ripple Current	Impedance		
Cap.(μF)	ФDxL (mm)	(mArms)	20°C100K	- 10°C100K		(mm)	ΦDxL (mArms) (mm)		20°C100K	- 10°C100K
Сар.(µГ)	, ,	105°C ,100KHz	Hz	Hz	Сар.(µг)	, ,	105°C ,100KHz	Hz	Hz	
100	5x11	150	0.9	3.6	100	5x11	150	0.9	3.6	
220	6.3x11	250	0.4	1.6	220	6.3x11	250	0.4	1.6	
330	6.3x11	250	0.4	1.6	330	8x11.5	400	0.25	1	
470	8x11.5	400	0.25	1	470	10x12.5	400	0.25	1	
1000	10x12.5	580	0.16	0.65	1000	10x16	770	0.12	0.46	
2200	13x20	1300	0.062	0.21	2200	13x20	1300	0.062	0.21	
3300	13x20	1300	0.062	0.21	3300	13x25	1650	0.048	0.16	
4700	16x25	1850	0.034	0.096	4700	16x25	1850	0.034	0.096	
6800	16x25	1850	0.034	0.096	6800	16x31	2000	0.029	0.087	
10000	16x31	2000	0.029	0.087	10000	18x36	2200	0.025	0.058	
15000	18x36	2200	0.025	0.058	•					

WV(vdc) Parameter		16			WV(vdc)		25		
anneter .	ФDxL	Ripple Current (mArms)	Impedance		Parameter	ФDxL	Ripple Current (mArms)	Impedance	
Cap.(µF)	(mm)	105°C ,100KHz	20°C100K Hz	- 10°C100K Hz	Cap.(μF)	(mm)	105°C ,100KHz	20°C100K Hz	- 10°C100K Hz
47	5x11	150	0.9	3.6	33	5x11	150	0.9	3.6
100	6.3x11	250	0.43	1.6	47	5x11	150	0.9	3.6
220	8x11.5	400	0.25	1	100	6.3x11	250	0.4	1.6
330	8x11.5	400	0.25	1	220	8x11.5	400	0.25	1
470	10x12.5	580	0.16	0.65	330	10x12.5	580	0.16	0.65
1000	10x20	1050	0.078	0.3	470	10x16	770	0.12	0.46
2200	13x25	1650	0.048	0.16	1000	13x20	1300	0.062	0.21
3300	16x25	1850	0.034	0.096	2200	16x25	1850	0.034	0.096
4700	16x31	2000	0.029	0.087	3300	16X31	2000	0.029	0.087
6800	18x36	2200	0.025	0.058	4700	18x36	2200	0.025	0.058

WV(vdc) Parameter		35			WV(vdc)	50				
*Meter	ФDxL	Ripple Current (mArms)	Imped	dance	Parameter	ФDxL	Ripple Current (mArms)	Impe	dance	
Cap.(μF)	(mm)	105°C ,100KHz	20°C100K Hz	- 10°C100K Hz	Cap.(μF)	(mm)	105°C ,100KHz	20°C100K Hz	- 10°C100K Hz	
33	5x11	150	0.9	3.6	0.47	5x11	17	5.5	12	
47	6.3x11	250	0.4	1.6	1	5x11	30	4	8	
100	8x11.5	400	0.25	1	2.2	5x11	43	2.5	6	
220	10x12.5	580	0.025	1	3.3	5x11	53	2.2	5.6	
330	10x16	770	0.16	0.65	4.7	5x11	88	1.9	5	
470	10x20	1050	0.078	0.3	10	5x11	100	1.5	4	
1000	13x25	1650	0.048	0.16	22	5x11	150	0.9	3.6	
2200	16x31	2000	0.034	0.087	33	6.3x11	250	0.4	1.6	
3300	18x36	2200	0.029	0.058	47	6.3x11	250	0.4	1.6	
					100	8x11.5	400	0.25	1	
					220	10x16	770	0.12	0.46	
					330	10x120	1050	0.078	0.3	
					470	13x25	1300	0.062	0.21	
					1000	16x25	1850	0.034	0.096	
					2200	18x36	2200	0.025	0.058	



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Series

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WV(vdc)		63			WV(vdc)	100			
Meter	ΦDxL	(mArms)	Impe	dance	Parameter	ФDxL	Ripple Current (mArms)	Impe	dance
Cap.(μF)	(mm)	105℃, 100KHz	20°C100K Hz	- 10°C100K Hz	Cap.(µF)	(mm)	105°C ,100KHz	20°C100K Hz	- 10°C100K Hz
10	5x11	87	2.3	9.3	1.0	5x11	20	4.5	15
22	6.3x11	140	1.3	5.2	2.2	5x11	30	3	13
33	6.3x11	140	1.2	5	3.3	5x11	40	2.7	11
47	8x11.5	210	0.63	2.8	4.7	5x11	65	2.5	10
100	10x12.5	300	0.43	1.8	10	6.3x11	140	1.2	5
220	10x20	520	0.21	0.84	22	8x11.5	160	0.63	2.8
330	13x20	660	0.16	0.64	33	10x12.5	230	0.43	1.8
470	13x25	750	0.12	0.45	47	10x16	290	0.31	1.8
1000	16x31	1390	0.054	0.2	100	13x20	430	0.16	0.64
					220	16x25	900	0.073	0.27

WV(vdc)		160			WV(vdc)	200			
'neter	ΦDxL	(mArms)	Impe	dance	Parameter	ФDxL	(mArms)	Impe	dance
Cap.(µF)	(mm)	105℃, 100KHz	20°C100K Hz	- 10°C100K Hz		(mm)	105℃, 100KHz	20°C100K Hz	- 10°C100K Hz
22	10x20	350	1		22	10x20	350	1	
33	13x20	450	0.7		33	13x25	550	0.55	
47	13x25	600	0.45		47	13x25	600	0.44	
68	13x25	600	0.45		68	16x25	950	0.24	
100	16x25	950	0.24		100	16x31	1200	0.17	
150	16x31	1200	0.17		150	16x36	1280	0.16	
220	18x36	1400	0.14		220	18x36	1400	0.14	

WV(vdc)		250							
Parameter	ΦDxL	(mArms)	Imped	dance					
Cap.(µF)	(mm)	105℃, 100KHz	20°C100K Hz	- 10°C100K Hz					
22	10x20	300	1.4						
33	13x25	450	0.7						
47	16x25	850	0.31						
68	16x31	1050	0.33						
100	18x36	1200	0.18						

XF

Series

- 105°C, Low Impedance, Long life
- \bullet 4000~ 8000 hours guaranteed for WV \leqslant 10V
- 5000~10000 hours guaranteed for WV=16~100V
- 2000 hours guaranteed for WV=160~250V

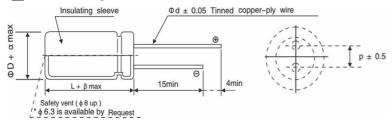




■SPECIFICATIONS

Item							Characte	eristics					
Category Temperature Range	-40 ~ +1	05℃											
Voltage Range	6.3 ~ 25	0VDC											-
Nominal Cap. Range	0.47 ~ 1	47 ~ 15000μF											
Capacitance Tolerance	± 20 % (20 % (at 120Hz , 20°C)											
	I=0.01C\	V or 3 (μΑ), whi	chever is	greater	(After 2	minutes) (6.	3WV~	100WV).				
Leakage Current	I=0.02C	=0.02CV+25 (μA) (After 5 minutes) (160WV~250WV).											
where, I: max leakage current(μA), C:Nominal capacitance (μF), V:Rated voltage (V) (at 20°C)													
Dissipation Factor (MAX)	W.V.	6.3	10	16	25	35	50	63	100	160	250		
(tanδ) (at 120Hz ,20°C)	tanδ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.12	0.12		
	vv.v.		6.3	10	16	25~100		10	60~250				
Low Temp.Impedance	Z-25°C /		4	3	3 2 2			3					
Stability at 120Hz	Z-40°C / 8		8	6	4	3		4					
	After the	following	ng life tir	ne applic	ation of	DC rated	working vo	ltage h	ours at 105	$^{\circ}$			
	the capa	citor sh	all meet	the follow	wing req	uirement	s.		Size	Life time(hours)		1	
	Capacita	ance cha	ange	≤ ±25%	6 of the i	nitial va	lue		Size	6.3~10V	16~100V	160~250V	1
Endurance	Dissipati	ion Fact	or	≤ 200%	6 of the i	nitial spe	ecified value		ФD≤6.3	4000	5000		l
	Leakage	Curren	t	≤ the i	nitial spe	ecified va	alue		ΦD=8&10	6000	7000	2000	1
								•	ФD≥13	8000	10000		J
	After sto	rage for	1000 h	ours at 1	05°C with	no volta	age applied,	voltag	e treatment	of JIS-C	-5102 artic	le 4-4 is to be	e given
Shelf Life		-						_				ure Loading"	-
	can be n	net.											

■ DRAWING



Unit:(mm)

α				0.5				
β		1.0		1.	5	2.0		
Фd		0.5		0.	6	0.8		
Р	2.0	2.5	3.5	5.0	5.0	7.5	7.5	
ΦD	5	6.3	8	10	13	16	18	

■ MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency Coefficient

Freq.(Hz)	120	1K	10K	100K
0.47~330	0.42	0.60	0.80	1.00
470~1000	0.75	0.90	0.98	1.00
2200~15000	0.80	0.95	1.00	1.00

(2) Temperature Coefficient

Ambient Temperature(℃)	40	60	70	85	105
Coefficient	2.40	2.10	1.78	1.65	1.00