



•Used in general electronic circuits as coupling
by-pass, filter etc..

SPECIFICATION

ITEM	SPECIFICATION																	
Capacitance Tolerance (120Hz 20°C)	±20% (M)																	
Rated Working Voltage	6.3 ~ 100WV										160 ~ 450WV							
Operation Temperature Range	-40 ~ +85°C										-25 ~ +85°C							
Surge Voltage(V) (20°C)	WV	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450			
	SV	8	13	20	32	44	63	79	125	200	250	300	400	450	500			
Leakage Current (20°C)	I 0.01CV or 3 Whichever is greater										I 0.03CV+10							
	After rated voltage applied for 3 minutes Where I : Leakage Current (µA) C : Capacitance (µF) V : Rated Voltage (V)																	
Dissipation Factor(tan δ) (120Hz 20°C)	WV	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450			
	DF	0.24	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.20	0.20	0.24	0.24	0.24	0.24			
Low Temperature Characteristics	Add 0.02 per 1000 µF for more than 1000 µF																	
	Impedance ratio at 120Hz																	
	Comparison Z \ WV				6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
	-25°C / 20°C				4	3	2	2	2	2	2	2	3	3	3	4	4	4
-40°C / 20°C				8	6	4	4	3	3	3	3	-	-	-	-	-	-	
Load Life	After 2000 hours application of W. V. at 85°C. the capacitor shall meet the following limits.																	
	Capacitance Change										±20 % of Initial Value							
	Dissipation Factor										200% of Initial Specified Value							
	Leakage Current										Initial Specified Value							
Shelf Life	After 500 hours to place at 85°C without rated voltage applied, The capacitor shall meet the limits as load life.																	
Others	Satisfied JIS C-5141																	

RIPPLE CURRENT COEFFICIENTS

Frequency Multipliers

WV	Freq.(Hz) Cap. (µF)	50	150	1K	10K~
6.3 ~ 100	0.1 ~ 47	0.75	1.00	1.57	2.00
	100 ~ 470	0.80	1.00	1.34	1.50
	1000 ~ 15000	0.85	1.00	1.13	1.15
160 ~ 450	0.47 ~ 330	0.80	1.00	1.40	1.60

Temperature Multipliers

WV	Temp.(°C)	-75	85
6.3 ~ 100		1.27	1.00
160 ~ 450		1.27	1.00

CASE SIZE & MAX RIPPLE CURRENT

WV	6.3	10	16	25	35	50	63
µF							
0.10						5x11	1.3

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WV μ F	100		160		200		250		350		400		450	
0.10														
0.22														
0.33														
0.47	5x11	12	5x11	11	5x11	11	5x11	11	5x11	13	6.3x11	13	6.3x11	13
1.0	5x11	22	5x11	14	5x11	14	6.3x11	14	6.3x11	15	8x11	15	8x11	15
2.2	5x11	32	6.3x11	21	6.3x11	21	8x11	23	8x11	23	8x11	23	11x12.5	23
3.3	5x11	42	8x11	27	8x11	27	8x11	27	10x15	29	10x12.5	30	10x15	31
4.7	5x11	53	8x11	31	8x11	31	10x12.5	34	10x12.5	34	10x15	35	10x17	37
10	6.3x11	74	10x15	50	10x17	50	10x17	53	10x17	59	10x17	61	13x20	65
22	8x11	98	10x17	84	10x17	84	10x20	100	13x20	100	13x20	102	16x26	105
33	10x15	131	10x20	120	10x20	120	13x25	125	13x25	130	16x26	135	16x26	140
47	10x15	187	13x20	140	13x25	140	13x25	157	16x26	164	16x36	169		
100	10x20	365	16x26	230	16x26	230	16x32	260	18x36	275				
220	13x25	368	16x32	385	18x40	395								
330	16x32	735	18x40	570										
470	16x32	940												
1000														
2200														
3300														
4700														
6800														
10000														
15000														

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