※ ELECTRICAL CHARACTERISTICS

Working Voltage : 6.3V~100V, 160V~450V
Operating Temperature : -40℃ ~ +105℃, -25℃ ~ +105℃
Rate Capacitance Range : 1μF ~ 10,000μF
Capacitance Tolerance : -20% ~ +20%
DC Leakage Current (μA) :

6.3~100 VDC	I≤0.01CV or 4(μA)	160-450 VDC	I≤0.03CV + 40 (μA) max
* Whichever is greater after 3 minutes.			
I : Leakage Current (μA)	C : Rated Capacitance (μF)	V : Working Voltage (V)	

※ Dissipation Factor : at 120Hz, 20℃

WV (V)	6.3	10	16	25	35	50	63	100	160~250	350~450
DF (%)	25	20	17	15	12	10	10	8	20	24

For capacitance exceeds 1,000μF, the value of DF (%) is increased by 2% for every additional 1,000μF.

※ Load Life : 2000 hours with W.V. at 105℃.

Capacitance Change : Within 20% of initial value.
Dissipation Factor : Not exceed 150% of initial requirement.
Leakage Current : Not exceed the initial requirement.

※ Shelf Life : 500 hours, no voltage applied at 105℃.

Capacitance Change : Within 20% of initial value.
Dissipation Factor : Not exceed 150% of initial requirement.
Leakage Current : Not exceed the initial requirement.

※ CASE SIZE OF STANDARD PRODUCTS

(Dφ ≧ 10mm with Safety Vent at Can Bottom) DxL (mm)

W.V.	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (62)		63 (79)		100 (125)	
μF	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA
10															8*13	60
22															8*16	98
33											8*13	91	8*16	98	8*16	130
47											8*13	116	8*16	130	10*20	160
100	6*13	91	6*13	101	6*13	130	6*13	138	8*13	170	8*16	170	10*20	210	13*21	280
220	6*13	172	8*13	178	8*13	212	8*16	186	10*20	272	10*20	330	13*21	400	13*25	474
330	8*13	196	8*13	239	8*16	301	10*16	339	10*20	360	10*20	440	13*21	550	16*26	650
470	8*16	297	8*16	332	8*16	380	10*20	410	10*20	480	13*21	580	13*25	700	16*26	880
1000	10*20	457	10*20	561	10*20	670	10*20	720	13*21	840	16*26	940	16*26	1130	22*40	1380
2200	10*20	762	10*20	850	13*21	1010	13*25	1110	16*26	1270	18*32	1490	18*40	1720	25*42	2170
3300	13*21	920	13*21	1080	13*21	1210	16*26	1656	18*32	1540	18*40	1780	22*40	2020		
4700	13*21	1150	13*25	1270	16*26	1490	18*32	1690	18*36	1880	22*40	2100	25*42	2404		
6800	16*26	1710	16*26	1837	16*31	1740	18*36	1950	22*40	2140	25*42	2480				
10000	16*31	2172	18*32	2306	18*40	2050	22*40	2230	25*42	2513						

W.V.	160 (200)		200 (250)		250 (300)		350 (400)		400 (450)		450 (500)	
μF	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA
1	8*13	10	8*13	10	8*13	11	8*16	13	8*16	12	8*16	13
2.2	8*16	16	8*16	16	8*16	21	8*16	21	8*16	19	10*20	21
3.3	8*16	26	8*16	26	8*16	26	10*20	27	10*20	27	10*20	28
4.7	8*16	31	8*16	31	8*16	31	10*20	31	10*20	33	10*20	32
10	8*16	50	8*16	50	10*20	55	10*20	56	13*25	60	13*21	60
22	10*20	82	10*20	80	13*21	91	16*26	98	16*26	110	16*26	100
33	10*20	110	10*20	120	13*25	124	16*26	130	18*36	160	16*31	110
47	13*21	145	13*21	147	13*25	156	16*26	189	18*40	200	18*32	162
100	16*26	234	16*26	248	16*31	362	18*36	400			22*40	190

Other values and size is available upon request
Ripple Current : mA R.M.S. at 120Hz 105℃

ANY CHANGE AND MODIFICATION ON CASE SIZE MAY BE ADOPTED WITHOUT NOTICE.