

◆STANDARD RATINGS

μF \ V_{dc}	6.3		10		16		25		35		50		63	
0.1											5X11	1.3		
0.22											5X11	2.9		
0.33											5X11	4.3		
0.47											5X11	6.2		
1.0											5X11	17		
2.2											5X11	28		
3.3											5X11	35		
4.7											5X11	41		
10											5X11	60		
22											5X11	95	5X11	100
33											5X11	125	6.3X11	140
47										5X11	130	6.3X11	6.3X11	170
68										6.3X11	160	6.3X11	8X11.5	220
100							5X11	180	6.3X11	210	8X11.5	260	8X11.5	280
220			5X11	240	6.3X11	260	6.3X11	280	8X11.5	385	10X12.5	430	10X16	490
330			6.3X11	290	6.3X11	320	8X11.5	440	10X12.5	490	10X16	590	10X20	710
470			6.3X11	350	8X11.5	440	10X12.5	550	10X16	650	10X20	760	12.5X20	900
1,000	8X11.5	540	10X12.5	650	10X12.5	700	10X16	860	12.5X20	1,150	12.5X25	1,350	16X25	1,300
2,200	10X16	890	10X16	990	10X20	1,000	12.5X25	1,550	16X25	1,800	16X31.5	1,980	18X35.5	2,300
3,300	10X20	1,190	12.5X20	1,450	12.5X25	1,700	16X25	1,980	16X31.5	2,100	18X35.5	2,500	20X40	2,700
4,700	12.5X20	1,550	12.5X25	1,800	16X25	2,100	16X25	2,200	16X35.5	2,500	20X40	2,900	22X50	3,400
6,800	12.5X25	1,920	16X25	2,250	16X25	2,250	16X35.5	2,600	18X40	2,800	22X50	3,500		
10,000	16X25	2,350	16X31.5	2,550	16X35.5	2,710	18X40	2,800	22X50	3,700				
15,000	16X31.5	2,550	16X35.5	2,880	18X40	3,100	22X50	3,800						
22,000	18X35.5	3,200	18X40	3,400	22X40	3,800								
33,000	20X40	3,500	22X50	4,500										
47,000	22X50	3,900												

Rated ripple current (mAmps) at 85°C, 120Hz
Case size ϕ D×L (mm)

μF \ V_{dc}	100		160		200		250		350		400		450	
0.1	5X11	2.1												
0.22	5X11	4.7												
0.33	5X11	7.0												
0.47	5X11	10									6.3X11	12		
1.0	5X11	21			6.3X11	22					6.3X11	22		
2.2	5X11	30			6.3X11	33			6.3X11	30	8X11.5	38	8X11.5	28
3.3	5X11	40			6.3X11	40	6.3X11	40	8X11.5	46	8X11.5	48	10X12.5	40
4.7	5X11	45			6.3X11	50	6.3X11	50	8X11.5	55	10X12.5	60	10X12.5	46
10	5X11	70	8X11.5	80	8X11.5	80	10X12.5	100	10X12.5	90	10X16	90	10X20	80
22	6.3X11	130	10X12.5	130	10X16	150	10X20	170	12.5X20	185	12.5X25	205	12.5X25	140
33	8X11.5	180	10X16	180	10X20	205	10X20	200	12.5X25	240	16X25	275	16X25	180
47	8X11.5	200	10X20	210	12.5X20	270	12.5X20	270	16X25	325	16X25	280	16X31.5	220
68	10X12.5	270	12.5X20	350	12.5X25	350	16X25	380	16X25	400	16X31.5	340	18X35.5	260
100	10X16	340	12.5X25	430	16X25	475	16X25	440	18X31.5	530	18X35.5	440	18X40	280
220	12.5X20	550	16X31.5	760	16X35.5	700	18X35.5	680						
330	12.5X25	760	18X35.5	995	18X40	950								
470	16X25	1,000	18X40	1,200										
1,000	18X35.5	1,350												
2,200	22X50	2,400												

Rated ripple current (mAmps) at 85°C, 120Hz
Case size ϕ D×L (mm)

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

(ϕ 5 to ϕ 18)

Capacitance (μF) \ Frequency (Hz)	50	120	300	1k	10k	100k
0.1 to 4.7	0.65	1.00	1.35	1.75	2.30	2.50
10 to 68	0.75	1.00	1.25	1.50	1.75	1.80
100 to 1,000	0.80	1.00	1.15	1.30	1.40	1.50
2,200 to	0.85	1.00	1.03	1.05	1.08	1.08

(ϕ 20 to ϕ 22)

Rated Voltage (Vs) \ Frequency (Hz)	50	120	300	1k	10k	100k
6.3 to 50	0.95	1.00	1.03	1.05	1.08	1.08
63 to 100	0.92	1.00	1.07	1.13	1.19	1.20