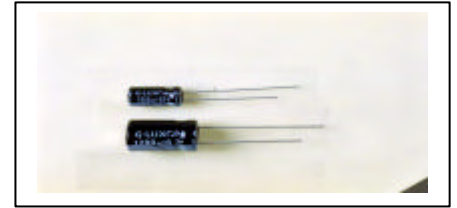


BM Series

Features
 Lifetime: 105 , 2000hrs
 Wide temperature range
 for SR
 Shorter profile for SM
 General purpose

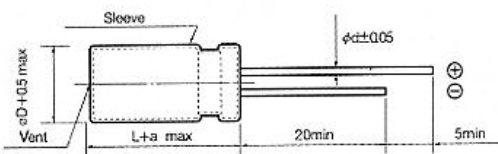
Recommended Applications
 AV(TV, Video, Audio)
 Monitor/Computer
 OA/HA/Communication



Specifications

Items	Characteristics												
Capacitance Tolerance	± 20% (M) (120Hz, 20)												
Rated Voltage Range (WV)	6.3~100 VDC						160~250 VDC						
Operating Temperature Range	-40 ~ +105						-25 ~ +105						
Surge Voltage (V) (20)	WV	6.3	10	16	25	35	50	63	100	160	200	250	
	SV	8	13	20	32	44	63	79	125	200	250	300	
Leakage Current (Max) (20)	I = 0.01CV or 3 μ A whichever is greater (After rated voltage applied for 2 minutes)						I = 0.03CV + 10 μ A (After rated voltage applied for 3 minutes)						
	I = Leakage Current (μ A) C = Nominal Capacitance (μ F) V = Rated Voltage (V)												
Dissipation Factor (Max) (tan) (120Hz , 20)	WV	6.3	10	16	25	35	50	63	100	160	200	250	
	tan	0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.10	0.15	0.15	0.15	
When nominal capacitance is over 1000 μ F, tan shall be added 0.02 to the listed value with increase of every 1000 μ F.													
Low Temperature Stability Impedance Ratio (Max)	WV		6.3	10	16	25	35	50	63	100	160	200	250
	Z (120Hz)												
	Z(-25) / Z(20)		4	3	2	2	2	2	3	3	3	4	4
Z(-40) / Z(20)		8	6	4	4	3	3	4	4	4	5	5	
Load Life	After applying rated voltage for 2000 hours at 105 , the capacitor shall meet the following requirement.												
	Capacitance Change			Within ± 20% of the initial value									
	Dissipation Factor			Not more than 200% of the specified value									
	Leakage Current			Not more than the specified value									
Shelf Life	After placed at 105 without voltage applied for 1000 hours, the capacitor shall meet the same requirement as load life.												
Applicable standards	Refer to JIS C 5101												

Dimensions (mm)



D	10	13	16	18
P	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8
a	1.0	2.0	2.0	2.0

Multiplier for Ripple Current

Frequency coefficient

WV (VDC)	Freq. (Hz)		50	120	1K	10K~100K
	Cap (μ F)					
6.3~100	10~82		0.75	1.00	1.57	2.00
	100~820		0.80	1.00	1.34	1.50
	1000~10000		0.85	1.00	1.13	1.15
160~250	10~100		0.80	1.00	1.40	1.60

Temperature coefficient

Ambient Temperature ()	50	70	85	105
Coefficient	1.90	1.75	1.40	1.00

Case Size / Max Ripple Current

CASE SIZE (DxL(mm)) / MAX PERMISSIBLE RIPPLE CURRENT (RC(mArms) / 120Hz,105)

wv SPEC μ F	6.3		10		16		25		35		50		63	
	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC
100											10x12.5	270	10x12.5	195
220									10x12.5	325	13x16	450	13x16	375
330					10x12.5	360	10x12.5	400	13x16	510	13x16	555	16x16	460
470			10x12.5	410	10x12.5	440	13x16	610	13x16	650	16x16	730	16x20	710
1000	10x12.5	440	10x12.5	520	13x16	730	16x20	940	16x20	870	18x20	1050	18x26	970
2200	13x16	790	13x16	850	16x16	1000	16x20	1140	18x20	1290				
3300	16x16	1070	16x16	1100	16x20	1280	18x26	1530						
4700	16x16	1170	18x20	1560	18x26	1760								
6800	16x20	1430	18x20	1630										
10000	18x26	1810	18x26	1900										

wv SPEC μ F	100		160		200		250	
	DxL	RC	DxL	RC	DxL	RC	DxL	RC
10			10x12.5	95	10x12.5	100	10x12.5	110
22			13x16	170	13x16	180	13x16	205
33	10x12.5	145	13x16	215	13x16	240	16x16	270
47	13x16	255	13x16	250	16x16	290	18x16	340
100	13x16	325	16x20	425	18x20	470	18x26	520
220	18x20	620						
330	18x26	750						