

FEATURES

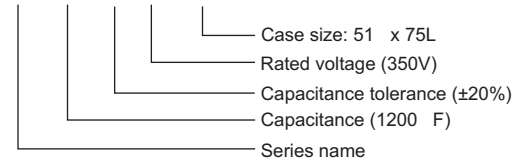
- Endurance with ripple current: 105°C, 5000 hours

SPECIFICATIONS

Item	Performance	
Operating Temp.	-40°C ~+105°C	
Capacitance Tolerance	± 20% (120Hz, 20°C)	
Leakage Current (at 20°C)	I = 0.01CV or 5 (mA) whichever is smaller (after 5 minutes) Where, C= rated capacitance in F. V= rated DC working voltage in V.	
Dissipation Factor Tan at 120Hz, 20°C	Tan (max)	0.15
Low Temperature Characteristics (at 120Hz)	Capacitance change: C(-25°C)/ C(+20°C) 0.7	
Load Life Test at 20 °C after subjected to DC voltage with rated ripple current applied for 5000 hours at 105°C	Test Time	5000 hours
	Capacitance Change	Within ±15% of initial value
	Dissipation Factor	Less than 175% of specified value
	Leakage Current	Within specified value
	Shelf Life Test at 20 °C after exposing them for 1000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements. (Refer to JIS 5102)	Test Time
	Capacitance Change	Within ±20% of initial value
	Dissipation Factor	Less than 200% of specified value
	Leakage Current	Within specified value
Ripple Current & Frequency Multipliers	Frequency (Hz)	50 / 60 120 300 1K 10K up
	Multiplier	0.7 1.0 1.1 1.3 1.4
Ripple Current & Temperature Multipliers	Temperature (°C)	40 60 85 105
	Mutipliers	2.44 2.16 2.00 1.00
Standards	Satisfies Characteristic W of JIS C 5101-4	

PART NUMBER EXAMPLE

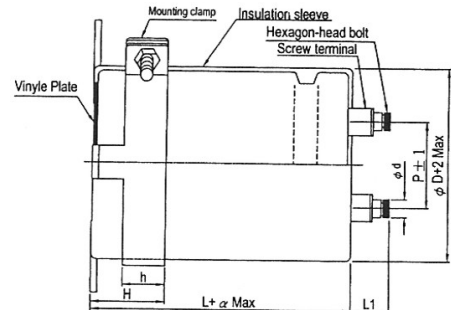
MGK122 M 2V - B075



DIMENSIONS

D	P		L1	W1	W2	H	h	a	b	c	°
51	22.0	2	10	61.0	65.5	21.0	15.0	7.0	12.0	4.5	60
64	28.6	2	10	72.5	78.0	25.0	20.0	7.0	14.0	4.5	60
77	32.0	2	10	85.5	91.0	35.0	20.0	8.0	16.0	4.5	60
90	32.0	2	10	101	106	34.5	20.0	8.0	16.0	5.0	60

Screw Specifications:
 Plus hexagon-headed screw: M5 x 0.8 x 10
 Max. screw tightening torque: 3.23Nm



DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

V.DC F	Item	350V (2V)				400V (2G)				450V (2W)			
		Size Code	DxL	Tan	Ripple Current	Size Code	DxL	Tan	Ripple Current	Size Code	DxL	Tan	Ripple Current
1000	B075	51x75	0.15	3.9	B075	51X75	0.15	3.9	B096	51X96	0.15	4.2	
1200	B075	51x75	0.15	4.2	B096	51X96	0.15	4.6	B115	51X115	0.15	5.0	
1500	B096	51x96	0.15	5.2	B115	51X115	0.15	5.6	B130	51X130	0.15	5.9	
1800	B096	51x96	0.15	5.7	B130	51X130	0.15	6.4	C096	64X96	0.15	6.3	
2200	B130	51x130	0.15	7.1	C096	64X96	0.15	6.9	C115	64X115	0.15	7.4	
2700	C096	64x96	0.15	7.7	C115	64X115	0.15	8.2	C130	64X130	0.15	8.6	
3300	C115	64x115	0.15	9.1	C130	64X130	0.15	9.5	C155	64x155	0.15	10.2	
									D115	77X115	0.15	8.7	
3900	C130	64x130	0.15	10.4	C155	64x155	0.15	11.1	D130	77X130	0.15	10.1	
					D115	77X115	0.15	10.4	D155	77x155	0.15	11.7	
4700	C155	64x155	0.15	12.2	D130	77X130	0.15	12.0	D155	77x155	0.15	12.9	
	D115	77x115	0.15	11.5									
5600	D130	77x130	0.15	13.1	D155	77X155	0.15	14.0	E157	90X157	0.15	14.9	
6800	D155	77x155	0.15	15.5	E157	90X157	0.15	16.5					
8200	E157	90x157	0.15	18.1	E157	90X157	0.15	18.1					
10000	E157	90x157	0.15	19.9									

