

SM SERIES

小型品 MINIATURE SIZE

* 成品之本體縮短至9mm,適合供應小型化之電子產品.

*適用於高密度之電子設備,例如:OA機器、電子計算機、汽車音響、小型卡式錄放音機等等。

*Reduced body length to 9mm for the demand of small and slim electronic equipment.

*Most suitable for high-density electronic equipment,such as:automatic office machines,
Pocket calculators,car stereos and micro-cassette tape recorders,etc.

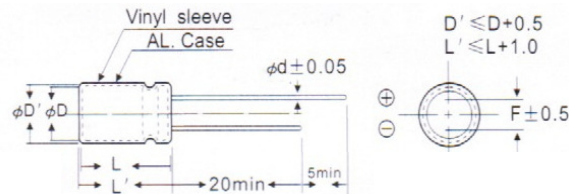


SPECIFICATION

Item	Characteristic								
使用溫度範圍 Operation Temperature Range	-40℃～+105℃								
額定電壓 Rated Working Voltage	6.3～63V DC								
靜電容量容許差 (120Hz 25℃) Capacitance Tolerance	±20%(M)								
漏洩電流 (25℃) Leakage Current	$I \leq 0.01CV$ or 3 (u A) whichever is greater after 3minutes I: Leakage Current (u A) C: Rated Capacitance (u F) V: Working Voltage (V)								
湧浪電壓 (25℃) Surge Voltage	W.V.	6.3	10	16	25	35	50	63	
	S.V.	8	13	20	32	44	63	79	
散逸因素 (120Hz 25℃) Dissipation Factor (tan δ)	W.V.	6.3	10	16	25	35	50	63	
	tan δ	0.24	0.20	0.17	0.15	0.12	0.10	0.10	
低溫特性 Low Temperature Stability	impedance ratio max, at 120Hz Rated Voltage 【V】 -40℃/+25℃								
	4	6.3	10	16	25	35	50	63	
	15	8	6	4	4	3	3	3	
高溫負荷特性 High Temperature Loading	After 1000 hours application of W.V. at +105℃ the capacitor shall meet the following limits Capacitance Change $\cong \pm 20\%$ of initial value Dissipation Factor $\cong 200\%$ of initial specified value Leakage Current $\cong$ initial specified value								
放置特性 Shelf Life	TEST Conditions Post test requirements at +25℃ Duration 1000 hours Same Limits for high temperature Ambient Temperature +105℃ loading Applied Voltage (None)								

CASE SIZE OF RADIAL TYPE

D	4	5	6	8
F	1.5	2.0	2.5	3.5
d	0.45	0.45	0.50	0.50



Case Size:DxL (mm)

Max ripple:m A (rms)

(R.C.) 105℃ 120Hz

CASE SIZE & MAX RIPPLE CURRENT

[SMR]

u F	WV	6.3		10		16		25		35		50		63	
ITEM		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.1												4x7	3	4x7	3
0.22												4x7	5	4x7	5
0.33												4x7	6	4x7	6
0.47												4x7	7	4x7	7
1.0												4x7	11	4x7	11
2.2												4x7	16	4x7	16
3.3												4x7	20	5x7	22
4.7												4x7	27	5x7	31
10						4x7	25	4x7	28	4x7 5x7	32 36	5x7	45		
22		4x7	33	4x7	36	4x7	39	4x7 5x7	47 50	5x7 6x7	53 60	6x7	75		
33		4x7	40	4x7	44	4x7 5x7	50 55	5x7 6x7	65 75	6x7	90	8x7	110		
47		4x7	45	4x7 5x7	55 60	4x7 5x7	65 75	5x7 6x7	80 90	6x7	130	8x7 9x7	150 170		
100		4x7 5x7	60 90	5x7	100	5x7 6x7	105 110	6x7 8x7	120 130	6x7 8x9	140 150				
220		6x7	130	6x7	140	6x7 8x7	150 170								
330		6x7 8x7	150 170	8x7	190	8x7 8x9	200 210								
470		8x9 8x7	210 190	8x9 8x7	230 210	8x9 8x7	250 230								