

LOW LEAKAGE CURRENT

低漏電品

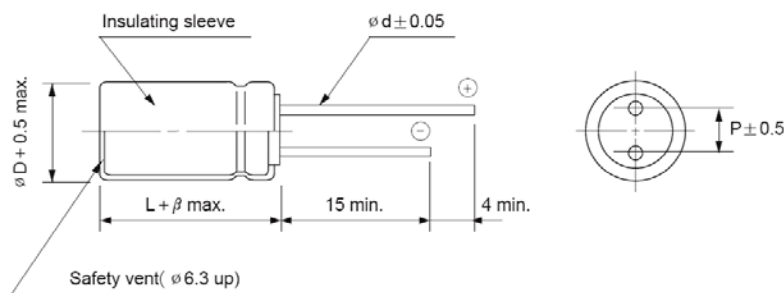
- Standard low leakage current series
低漏電標準型系列
- Suitable for high gain audio coupling applications
適用於高增益音頻耦合器材
- Stable leakage current characteristics for a long period
使漏電流特性處於長週期穩定
- Load life of 2000 hours at 85°C
在 85°C 環境中負荷壽命 2000 小時
- Comply with the RoHS directive
符合 RoHS 指令



□ SPECIFICATIONS 特性表

Items 項目	Characteristics 主要特性											
Operation Temperature Range 使用溫度範圍	-40 ~ +85°C											
Voltage Range 額定工作電壓範圍	10 ~ 100V											
Capacitance Range 靜電容量範圍	1 ~ 4700μF											
Capacitance Tolerance 靜電容量允許偏差	±20% at 120Hz, 20°C											
Leakage Current 漏電流	Leakage current = 0.002CV or 0.4μA, whichever is greater (after 2 minutes application of rated voltage) 漏電流 = 0.002CV 或 0.4μA, 取較大值 (施加額定工作電壓 2 分鐘後)											
Dissipation Factor (tan δ) 損耗角正切	When nominal capacitance is over 1000μF, tan δ shall be added 0.02 to the listed value with increase of every 1000μF. 當標稱靜電容量大於 1000μF, 其標稱靜電容量每增加 1000μF, 損耗角正切增加 0.02. Measurement frequency 測試頻率: 120Hz, Temperature 溫度: 20°C											
	<table border="1"> <thead> <tr> <th>Rated Voltage (V) 額定工作電壓</th> <th>10</th> <th>16</th> <th>25, 35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>tan δ (max.) 最大損耗角正切</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> </tr> </tbody> </table>	Rated Voltage (V) 額定工作電壓	10	16	25, 35	50	63	tan δ (max.) 最大損耗角正切	0.17	0.15	0.12	0.10
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Stability at Low Temperature 低溫特性	Measurement frequency 測試頻率: 120Hz											
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Load Life 高溫負荷特性	After 2000 hours application of the rated voltage at 85°C, they meet the characteristics listed below. 在 85°C 環境中施加額定工作電壓 2000 小時後, 電容器的特性符合下表的要求。											
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Shelf Life 高溫貯存特性	After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for load life characteristics listed above. 在 85°C 環境中無負荷放置 1000 小時後, 電容器的特性符合高溫負荷特性中所列的規定值。											
Marking 標識	Printed with black colour on orange sleeve (PVC) or printed with white colour on green sleeve (PET). 桔紅色膠管黑字印刷 (PVC) 或綠色膠管白字印刷 (PET)。											

□ DRAWING (Unit: mm) 外形圖



ØD	5	6.3	8	10	12.5	16
P	2.0	2.5	3.5	5.0	7.5	
Ød	0.5			0.6		0.8
β	1.5				2.0	

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.

注: 以上所提供的設計及特性參數僅供參考, 任何修改不作預先通知。如果在使用上有疑問, 請在採購前與我們聯繫, 以便提供技術上的協助。

□ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT 規格尺寸及最大允許紋波電流

μF	WV Code 代碼	10		16		25		35		50		63		100		
		1A		1C		1E		1V		1H		1J		2A		
1	010											5 x 11	22	5 x 11	18	
1.5	1R5											5 x 11	25	5 x 11	22	
2.2	2R2											5 x 11	30	5 x 11	26	
3.3	3R3										5 x 11	35	5 x 11	37	5 x 11	32
4.7	4R7										5 x 11	42	5 x 11	44	5 x 11	38
6.8	6R8							5 x 11	46	5 x 11	50	5 x 11	53	6.3 x 11.5	53	
10	100					5 x 11	55	5 x 11	55	6.3 x 11.5	70	6.3 x 11.5	73	8 x 11.5	76	
15	150			5 x 11	61	5 x 11	68	5 x 11	68	6.3 x 11.5	85	8 x 11.5	106	8 x 11.5	93	
22	220	5 x 11	69	5 x 11	73	5 x 11	82	6.3 x 11.5	94	8 x 11.5	122	8 x 11.5	129	10 x 12	130	
33	330	5 x 11	84	5 x 11	90	6.3 x 11.5	116	6.3 x 11.5	116	8 x 11.5	149	10 x 12	183	10 x 16	175	
47	470	5 x 11	101	6.3 x 11.5	123	8 x 11.5	163	8 x 11.5	163	10 x 12	207	10 x 16	239	10 x 20	227	
68	680	6.3 x 11.5	139	6.3 x 11.5	148	8 x 11.5	196	10 x 12	227	10 x 16	273	10 x 20	314	12.5 x 20	313	
100	101	6.3 x 11.5	169	8 x 11.5	212	10 x 12	276	10 x 16	302	10 x 20	361	12.5 x 20	447	12.5 x 25	380	
150	151	8 x 11.5	244	10 x 12	302	10 x 16	370	10 x 20	404	12.5 x 20	519	12.5 x 25	596	16 x 25	508	
220	221	10 x 12	344	10 x 16	401	10 x 20	489	12.5 x 20	574	12.5 x 25	685	16 x 25	801	16 x 31	699	
330	331	10 x 16	461	10 x 20	535	12.5 x 20	703	12.5 x 25	766	16 x 25	931	16 x 31	1074	16 x 35	983	
470	471	10 x 20	600	12.5 x 20	750	12.5 x 25	914	12.5 x 25	914	16 x 31	1216	16 x 35	1345	18 x 40	1320	
680	681	12.5 x 20	847	12.5 x 20	902	12.5 x 25	1100	16 x 25	1220	18 x 35	1534	18 x 40	1821			
1000	102	12.5 x 20	1028	12.5 x 25	1193	16 x 25	1480	16 x 31	1619	18 x 40	2095					
1500	152	12.5 x 25	1298	16 x 25	1522	16 x 31	1835	18 x 35	2066							
2200	222	16 x 25	1659	16 x 31	1908	18 x 35	2341									
3300	332	16 x 31	2124	18 x 35	2502											
4700	472	18 x 35	2737													
															Case size 尺寸	Ripple current 紋波電流

• Case size: $\varnothing D \times L$ (mm), ripple current (mA rms) at 85°C, 120Hz • 尺寸: $\varnothing D \times L$ (mm), 紋波電流 (mA rms) 於 85°C, 120Hz

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- Please refer to page 16, 18 about the formed or taped product spec. 編帶與引線成型標準請參閱第 16, 18 頁。
- Please refer to page 17 for the minimum package quantity. 最小包裝數量請參閱第 17 頁。