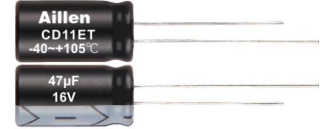


產品特點 Features

density assembly of video recorder, remote controller, VCD etc.

超小型, 5mm高溫品, 適用於錄像機、遙控器、VCD等高密度組裝電子電路。



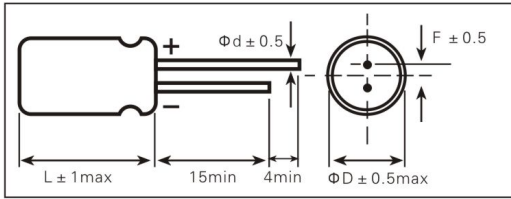
規格書 SPECIFICATION

項目 Item	特性系數 Performance Characteristics																															
使用溫度範圍 Operating Temperature Range	-40~+105°C																															
額定電壓範圍 Rated Working Voltage Range	4 to ~50V																															
容量範圍 Nominal Capacitance Range	3.3 to 330 µ F																															
容量允許偏差 Capacitance Tolerance	± 20% at 120Hz, +20°C																															
漏電流 Leakage Current	I ≤ 0.01CV or 3 (µ A) 在常溫加額定電壓2分鐘讀數, 兩者取大值。 whichever is greater measured after 2 minutes application of rated working voltage at +20°C																															
損耗角正切值(20°C, 120Hz) tan δ (120Hz, +20°C)	<table border="1"> <thead> <tr> <th>Working Voltage (V)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tan δ (max.)</td> <td>0.37</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> </tr> </tbody> </table>								Working Voltage (V)	4	6.3	10	16	25	35	50	tan δ (max.)	0.37	0.28	0.24	0.20	0.16	0.13	0.12								
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高溫負荷特性 High Temperature Loading	在105°C的前提下施加額定電壓與額定紋波電流1000H,然後取出恢復常溫後測試 Test time:1,000 hours Test temperature:+105°C Test conditions:Rated DC working voltage with rated ripple current Post test requirements at +20°C <table border="1"> <tbody> <tr> <td>Leakage current</td> <td>≤ Initial specified value</td> </tr> <tr> <td>Cap. change</td> <td>within ± 20% of the initial measured value (4V: within ± 30%)</td> </tr> <tr> <td>tan δ</td> <td>≤ 200% of the initial specified value</td> </tr> </tbody> </table>								Leakage current	≤ Initial specified value	Cap. change	within ± 20% of the initial measured value (4V: within ± 30%)	tan δ	≤ 200% of the initial specified value																		
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高溫貯存特性 Shelf Life	105°C不加電壓貯存1000H 然後取出恢復到常溫後測試 At +105°C no voltage applied after 1,000 hours and then being stabilized at +20°C the capacitors shall meet the following limits <table border="1"> <tbody> <tr> <td>Leakage current</td> <td>≤ Initial specified value</td> </tr> <tr> <td>Cap. change</td> <td>within ± 20% of the initial measured value (4V: within ± 30%)</td> </tr> <tr> <td>tan δ</td> <td>≤ 200% of the initial specified value</td> </tr> </tbody> </table>								Leakage current	≤ Initial specified value	Cap. change	within ± 20% of the initial measured value (4V: within ± 30%)	tan δ	≤ 200% of the initial specified value																		
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參考國際標準 Industrial Standard	JIS C - 5101-4 (IEC 60384-4)																															

插件鋁電解電容

外型圖 CASE SIZE TABLE

Unit: mm



ΦD	4	5	6.3	8
F	1.5	2.0	2.5	2.5
Φd	0.45			

紋波電流修正係數 RIPPLE CURRENT MULTIPLIER

Frequency coefficient

Coefficient Cap (μF)	Freq. (Hz)	50	120	300	1k	10k~
≤47		0.75	1.00	1.35	1.57	2.00
	68~330	0.80	1.00	1.23	1.34	1.50

一覽表 Standard

Voltage (Code)		4V		6.3V		10V		16V	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
10	106							4 x 5	18
22	226	4 x 5	22	4 x 5	22	4 x 5	24	5 x 5	30
33	336	5 x 5	30	5 x 5	30	5 x 5	35	6.3 x 5	40
47	476	5 x 5	36	5 x 5	36	6.3 x 5	46	6.3 x 5	50
100	107	6.3 x 5	60	6.3 x 5	60	6.3 x 5	67	6.3 x 5	73
220	227			8 x 5	103	8 x 5	116	8 x 5	126
330	337			8 x 5	127				

Maximum Allowable Ripple Current (mArms) at 105°C 120Hz
在105°C 120Hz條件下的最大紋波值

Case Size Φ D x L (mm)
尺寸 Φ D x L (mm)

Voltage (Code)		25V		35V		50V	
Cap. (μF)	Code	Case Size	Ripple Current	Case Siz	Ripple Curren	Case Siz	Ripple Current
3.3	335			4 x 5	11	4 x 5	14
4.7	475	4 x 5	13	4 x 5	15	5 x 5	19
10	106	4 x 5	20	5 x 5	25	6.3 x 5	30
22	226	6.3 x 5	38	6.3 x 5	48	8 x 5	52
33	336	6.3 x 5	48	6.3 x 5	59	8 x 5	63
47	476	6.3 x 5	58	8 x 5	82		
100	107	8 x 5	97				

Maximum Allowable Ripple Current (mArms) at 105°C 120Hz
在105°C 120Hz條件下的最大紋波值

Case Size Φ D x L (mm)
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插件鋁電解電容