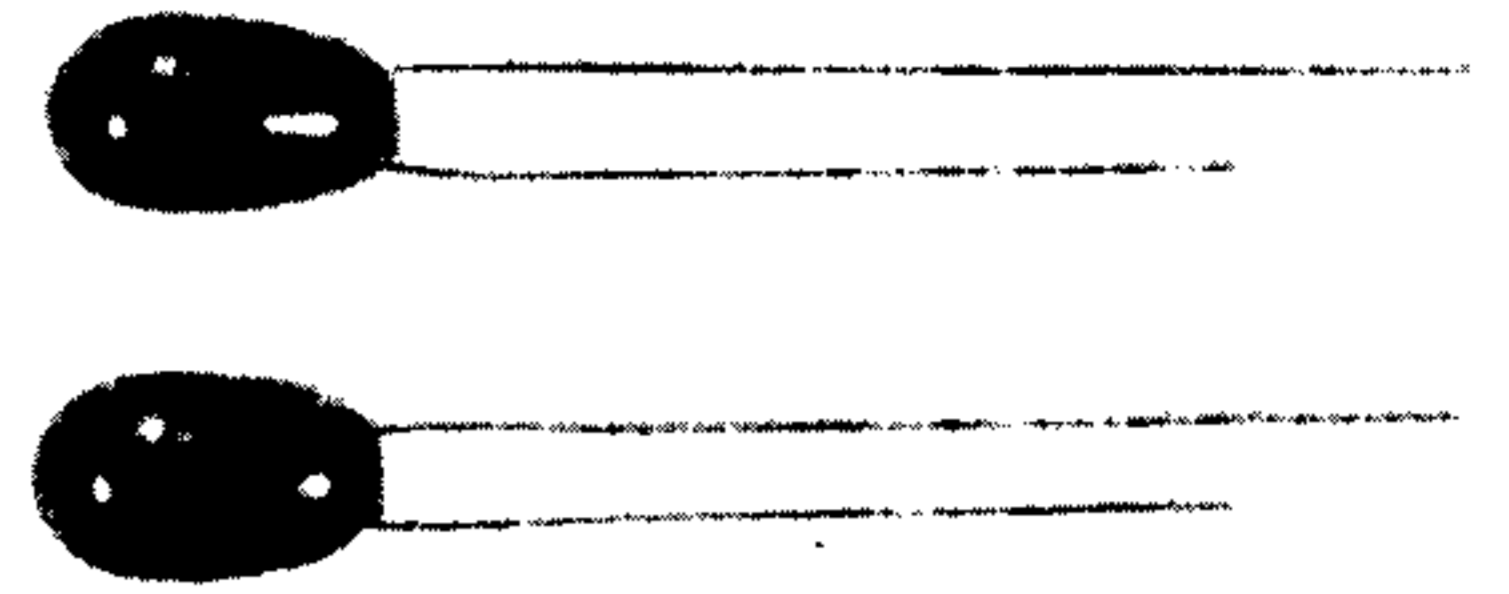


E. R. C. RADIAL TYPE CAPACITORS

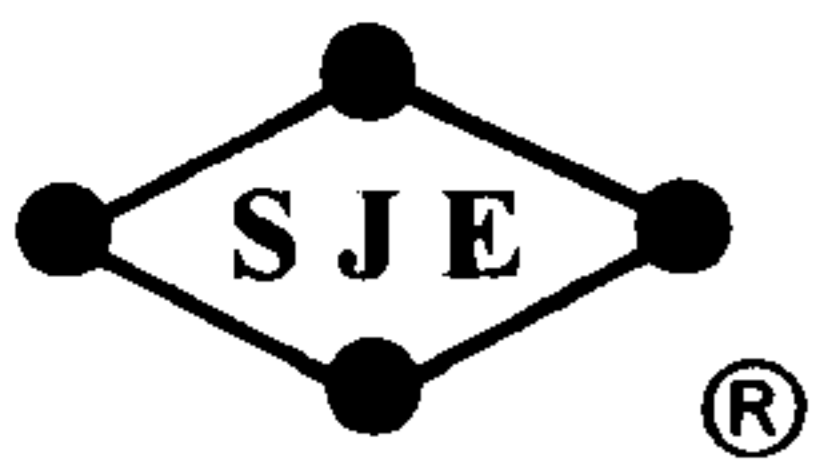
ERC series 高精密電容(新型專利品)

- E. R. C. 系列是一種摒棄傳統，採用環氧樹脂塗裝的特別設計電容，具防酸鹼、防漏液等優點，密封性特佳。
- 高信賴度的低漏洩電流、低阻抗，於高溫系數下更趨穩定、壽命更長。
- 適用於高精密電子設備，例如：電腦主機板及其週邊設備、防盜器、汽車音響、通訊器材，可有效取代鉅質電容，以降低生產成本。
- E. R. C. is an newly invented device with an epoxy resin coating. This specially designed coating provides additional protection in the areas such as well sealed, moisture-proof, leak-proof, acid and alkali resistance, etc.
- Highly reliable for low leakage current and low impedance. In case of high temperature, E. R. C. can provide longer usage life and good stability.
- Most suitable for high-density electronic equipment, such as: PC mother board & other device, security alarm, car stereos and communication device, etc.



specifications

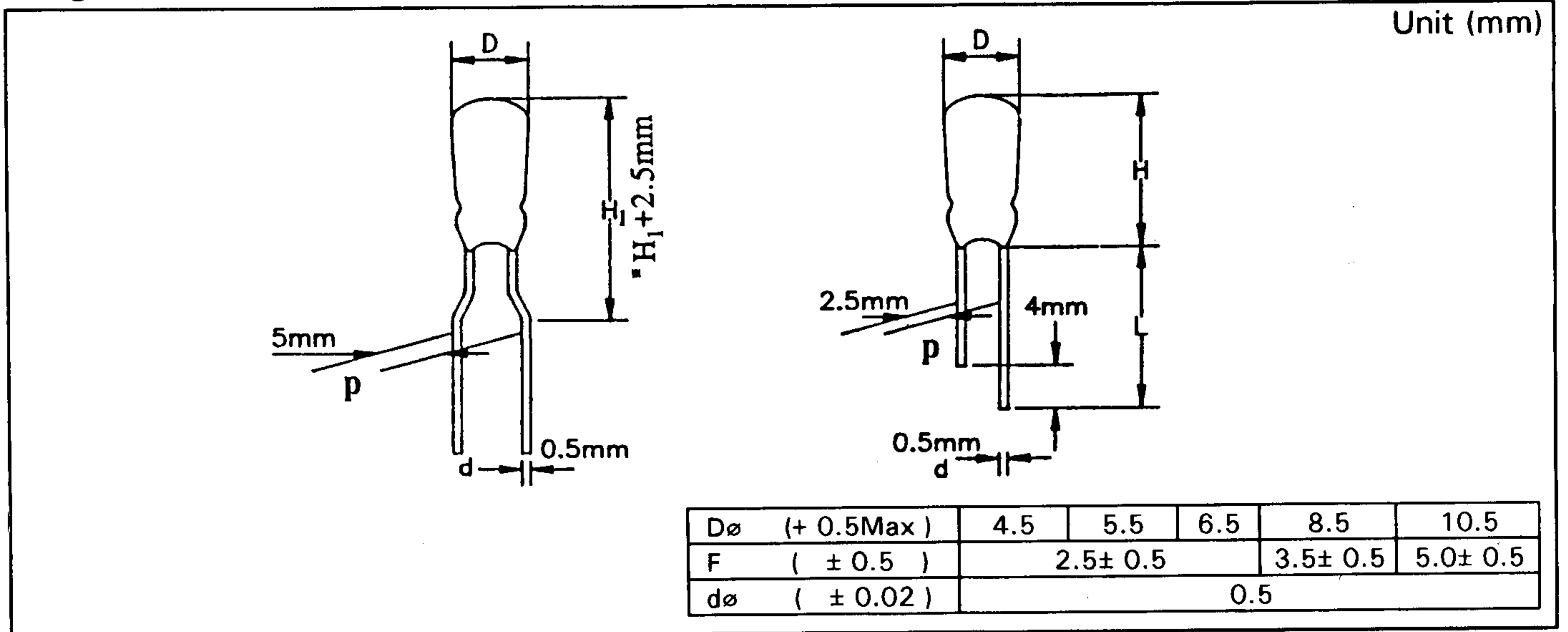
No.	Item	Performance												
1	使用溫度範圍 Operating Temperature Range	-40 to +105°C												
2	定格電壓範圍 Rated Working Voltage Range	6.3 - 50v.DC												
3	靜電容量範圍 Nominal Capacitance Range	0.1 - 470μF												
4	靜電容量容許差 Capacitance Tolerance	±20%, ±10(K) (at +20°C, 120Hz)												
5	漏洩電流 Leakage Current	Less than 0.002CV or 0.5(μA) after five minutes												
6	損失角 Dissipation Factor(tanδ) (120Hz\ +20°C)	<table border="1"> <thead> <tr> <th>Capacitance (μF)</th> <th>0.1-1</th> <th>1.5-6.8</th> <th>10-68</th> <th>100-470</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.06</td> <td>0.08</td> <td>0.09</td> <td>0.12</td> </tr> </tbody> </table>	Capacitance (μF)	0.1-1	1.5-6.8	10-68	100-470	tanδ	0.06	0.08	0.09	0.12		
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7	溫度特性(at 120 Hz) Characteristics at low temperature (stability at 120 Hz)	<table border="1"> <thead> <tr> <th>Temperature</th> <th>-40°C</th> <th>+105°C</th> </tr> </thead> <tbody> <tr> <td>Leakage Current</td> <td>— —</td> <td>Less than or equal to 0.1 CV 5 μ A whichever is larger</td> </tr> <tr> <td>Change in Capacitance</td> <td>Within ±20%</td> <td>Within ±12%</td> </tr> <tr> <td>tanδ</td> <td>Less than or equal to the value in No. 6 + 0.02</td> <td>Less than or equal to the value in No. 6 + 0.02</td> </tr> </tbody> </table>	Temperature	-40°C	+105°C	Leakage Current	— —	Less than or equal to 0.1 CV 5 μ A whichever is larger	Change in Capacitance	Within ±20%	Within ±12%	tanδ	Less than or equal to the value in No. 6 + 0.02	Less than or equal to the value in No. 6 + 0.02
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8	高溫負荷特性 High Temperature Loading	<p>After 2000hrs. application of DC rated working voltage at +105°C, The capacitor shall meet the following limits: Post test requirements at +20°C</p> <table border="1"> <tbody> <tr> <td>Leakage current</td> <td>125% or less of the value in NO. 5</td> </tr> <tr> <td>Capacitance change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Dissipation Factor(tanδ)</td> <td>Less than or equal to the value in No.6</td> </tr> </tbody> </table>	Leakage current	125% or less of the value in NO. 5	Capacitance change	Within ±20% of initial value	Dissipation Factor(tanδ)	Less than or equal to the value in No.6						
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Capacitance change	Within ±20% of initial value													
Dissipation Factor(tanδ)	Less than or equal to the value in No.6													
9	高溫無負荷特性 Shelf Life	<p>After storage for 500hrs. at +105°C with no voltage applied. Post test requirements at +20°C same limits as high temperature loading.</p>												



E. R. C. RADIAL TYPE CAPACITORS

ERC series 高精密電容(新型專利品)

Diagram of Dimensions



Example of Code Number (ERC Series 16V 10μ F)				
ERC	AF	106	K	B
Series	Rated	Capacitance	Tolerance	Suffix
Code	voltage			

note : "K" is added in the suffix only for products that are ±10% tolerance.

Case Size Table

Code for capacitance uF		Code for rated Voltage W.V.	øD×L(mm)					
			6.3 FC	10 AO	16 AF	25 BE	35 CE	50 EO
0.1	104						→	4.5×10
0.15	154						→	4.5×10
0.22	224						→	4.5×10
0.33	334						→	4.5×10
0.47	474						→	4.5×10
0.68	684						→	4.5×10
1.0	105						→	4.5×10
1.5	155						→	4.5×10
2.2	225			→	4.5×10	4.5×10	4.5×10	4.5×10
3.3	335			→	4.5×10	4.5×10	4.5×10	4.5×10
4.7	475		4.5×10	4.5×10	4.5×10	4.5×10	4.5×10	4.5×10
6.8	685		4.5×10	4.5×10	4.5×10	4.5×10	4.5×10	4.5×10
10	106		4.5×10	4.5×10	4.5×10	4.5×10	5.5×10	6.5×10
15	156		4.5×10	4.5×10	4.5×10	5.5×10	6.5×10	6.5×10
22	226		4.5×10	4.5×10	5.5×10	6.5×10	6.5×10	6.5×10
33	336		5.5×10	5.5×10	6.5×10	6.5×10	8.5×10	
47	476		5.5×10	5.5×10	6.5×10	6.5×10	8.5×10	
68	686		6.5×10	6.5×10	6.5×10	8.5×10		
100	107		6.5×10	6.5×10	8.5×10	8.5×10		
150	157		6.5×10	8.5×10	8.5×10			
220	227		8.5×10	8.5×10	8.5×14			
330	337		8.5×10	8.5×10				
470	477		8.5×14	8.5×14				