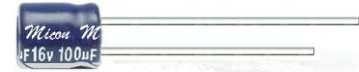


SR Series

Features

- ◆ Low leakage current,height 5 mm
- ◆ For detail specifications, please refer to Engineering Bulletin No.E136
- ◆ RoHS Compliant



Specifications

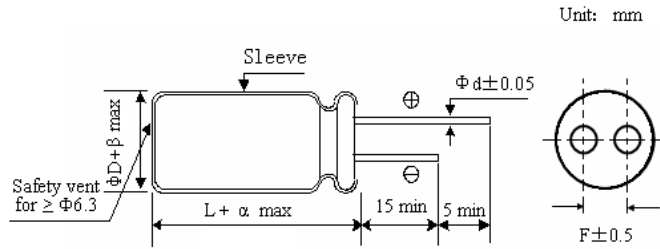
Item	Performance Characteristics																
Operating Temperature Range	-40~+85°C																
Rate Voltage Range	4~50 VDC																
Capacitance Range	0.1~100UF																
Capacitance Tolerance	±20% (120Hz, +20°C)																
Leakage current (+20°C,max.)	$I \leq 0.002 CV$ or 0.4 (μA) After 2 minute, whichever is greater measured with rated working voltage applied.																
Dissipation factor (tgδ)	<table border="1"> <thead> <tr> <th>Working Voltage(VDC)</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>D.F.(%)max</td> <td>35</td> <td>24</td> <td>20</td> <td>16</td> <td>14</td> <td>12</td> <td>10</td> </tr> </tbody> </table>	Working Voltage(VDC)	4	6.3	10	16	25	35	50	D.F.(%)max	35	24	20	16	14	12	10
Working Voltage(VDC)	4	6.3	10	16	25	35	50										
D.F.(%)max	35	24	20	16	14	12	10										
Low Temperature Characteristics (120Hz)	Impedance ratio max. <table border="1"> <thead> <tr> <th>Working Voltage(VDC)</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>Z-25°C / Z+20°C</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Working Voltage(VDC)	4	6.3	10	16	25	35	50	Z-25°C / Z+20°C	15	10	8	6	4	3	3
Working Voltage(VDC)	4	6.3	10	16	25	35	50										
Z-25°C / Z+20°C	15	10	8	6	4	3	3										
Load Life	Test conditions Duration time : 1000Hrs Ambient temperature : +85°C Applied voltage : Rated DC working voltage After test requirement at +20°C Capacitance change : ≤±20% of the initial measured value(4v : ≤±30%) Dissipation factor : ≤200% of the initial specified value Leakage current : ≤The initial specified value																
Shelf Life	Test conditions Duration time : 1000Hrs Ambient temperature : +85°C Applied voltage : None After test requirement at +20°C : Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes																

Multiplier for Ripple Current vs. Frequency

CAP(UF)\Frequency(HZ)	50(60)	120	1K	≥10K
0.1~47	0.8	1	1.30	1.50
100	0.8	1	1.15	1.20

SR Series

Diagram of Dimensions



ΦD	4	5	6.3	8
F	1.5±0.5	2.0±0.5	2.5±0.5	3.5±0.5
Φd	0.45			

Case Size

Voltage	4V		6.3V		10V		16V		25V		35V		50V	
	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
0.1													4×5	1.0
0.22													4×5	2.0
0.33													4×5	2.8
0.47													4×5	4.0
1													4×5	8.4
2.2													4×5	13
3.3													5×5	17
4.7									4×5	16	4×5	18	5×5	20
10							4×5	25	5×5	27	5×5	29	6.3×5	33
22			4×5	28	4×5	32	5×5	37	6.3×5	42	6.3×5	46	8×5	60
33	5×5	28	5×5	37	5×5	41	6.3×5	49	6.3×5	52				
47	5×5	33	5×5	45	6.3×5	52	6.3×5	58						
100	6.3×5	56	6.3×5	70										

Ripple Current (mA,rms) at 85°C 120KHz