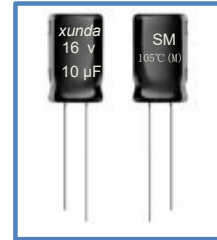


SM Series Standard 105°C (7MML高)



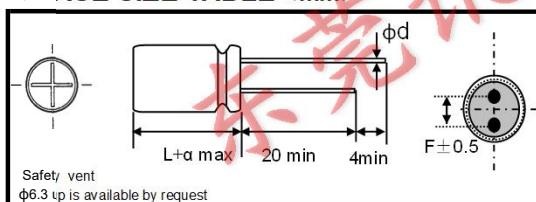
◆FEATURES

- Design for space-saving and high density insertion.
- Endurance 1000 hours at 105°C
- RoHS Compliant

◆SPECIFICATIONS

Items	Characteristics																					
Category Temperature Range	-40°C~+105°C																					
Rated Voltage Range	6.3VDC~50VDC																					
Nominal Capacitance Range	0.1µF~470µF																					
Capacitance Tolerance	±20% (M) (+20°C, 100/120Hz)																					
Leakage Current(Max,+20°C)	I=0.01CV or 3(µA) After 2 minutes whichever is greater measured with rated working voltage applied.																					
Dissipation Factor Tanδ(+20°C,120Hz)	<table border="1"> <thead> <tr> <th>Rated voltage</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>Tanδ</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	Rated voltage	6.3	10	16	25	35	50	Tanδ	0.24	0.20	0.16	0.14	0.12	0.10							
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Low Temperature Stability (Max.Impedance Rate)	<table border="1"> <thead> <tr> <th>Rated voltage(V)</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>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Rated voltage(V)	6.3	10	16	25	35	50	Z-25°C/Z+20°C	4	3	2	2	2	2	Z-40°C/Z+20°C	8	6	4	4	3	3
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Shelf Life	After storage for 1000 hours at 105°C with no voltage applied and then being stabilized at +20°C , capacitors shall meet the following limits. <table border="1"> <tr> <td>Capacitance change</td> <td>Within ±20% of the initial measured value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Less than 200% of the specified value</td> </tr> </table>	Capacitance change	Within ±20% of the initial measured value	Dissipation Factor	Less than 200% of the specified value	Leakage Current	Less than 200% of the specified value															
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Other	JISC-5141 EIAJ RC-2372																					

◆CASE SIZE TABLE (mm)



φD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
φd	0.45	0.50		
α	1.0			

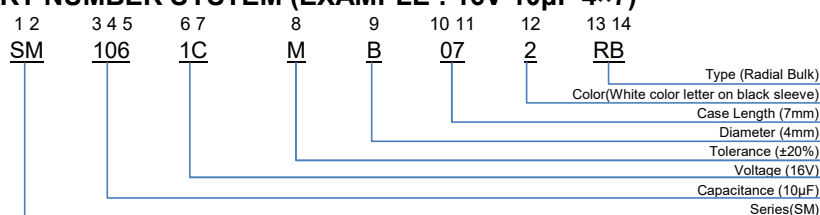
◆RIPPLE CURRENT MULTIPLIER

Cap (µF)	Freq (Hz) and multiplier				
	50 (60)	100 (120)	300	1K	100K
≤47	0.75	1.00	1.35	1.57	2.00
56~470	0.80	1.00	1.23	1.34	1.50

◆TEMPERATURE COEFFICIENT

Temperature (°C)	+105	+85	+65
Factor	1.0	1.6	1.85

◆PART NUMBER SYSTEM (EXAMPLE : 16V 10µF 4×7)



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