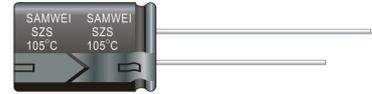


SZS SERIES(7mmL高,+105°C, Low Impedance 低阻抗)

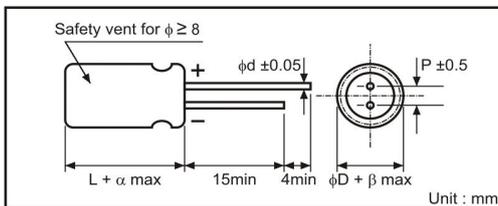


- Low impedance, with 7mm height, wide operating temperature range.

◆ SPECIFICATIONS

Item	Performance Characteristics																			
Operating temperature range	-40 to +105°C																			
Rated Working Voltage Range	6.3 to 35V																			
Nominal Capacitance Range	4.7 to 470μF																			
Capacitance Tolerance	±20(120Hz, +20°C)																			
Leakage Current	I ≤ 0.01CV or 3(μA) after 2 minutes whichever is greater measured with rated working voltage applied at +20 °C																			
Dissipation Factor tan δ(120Hz, +20 °C)	<table border="1"> <thead> <tr> <th>Working Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <td>tan δ(max)</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> </tr> </tbody> </table>		Working Voltage(V)	6.3	10	16	25	35	tan δ(max)	0.18	0.16	0.14	0.12	0.12						
Working Voltage(V)	6.3	10	16	25	35															
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Low Temperature Characteristics	Impedance ratio max at 120Hz <table border="1"> <thead> <tr> <th>Working Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <td>Z-25°C/Z+20°C</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>		Working Voltage(V)	6.3	10	16	25	35	Z-25°C/Z+20°C	2	2	2	2	2	Z-40°C/Z+20°C	3	3	3	3	3
Working Voltage(V)	6.3	10	16	25	35															
Z-25°C/Z+20°C	2	2	2	2	2															
Z-40°C/Z+20°C	3	3	3	3	3															
High Temperature Loading	Test conditions Duration : 1000 hours Ambient temp : +105°C Applied voltage: Rated DC Working voltage	Post test requirements at +20 °C Leakage current : ≤ Initial specified value Cap . Change : ≤ ±20% of Initial measured value tan δ : ≤ 200% of Initial specified value																		
Shelf Life	Test conditions Duration : 500 hours Ambient temp : +105°C Applied voltage: (None)	Post test requirements at +20 °C Leakage current : ≤ Initial specified value Cap . Change : ≤ ±20% of Initial measured value tan δ : ≤ 200% of Initial specified value																		

◆ CASE SIZE TABLE



ΦD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
Φd	0.45	0.45	0.45	0.45
α	1.5			
β	0.5			

◆ RIPPLE CURRENT MULTIPLIER

(1) Frequency Coefficient

freq. (Hz) cap(μf)	120	1k	10k	100k
~180	0.40	0.75	0.90	1.00
220~470	0.50	0.85	0.94	1.00

(2) Temperature Coefficient

Temperature	-55	60	70	85	105
FACTOR	2.33	2.17	2.00	1.75	1.00

SZS SERIES(7mmL高,+105°C, Low Impedance 低阻抗)

◆ DIMENSIONS

Voltage	6.3V			10V			16V		
Cap(μF)	Size	Imp	Ripple	Size	Imp	Ripple	Size	Imp	Ripple
10				4*7	4.00	55	4*7	4.00	55
22				4*7	3.30	70	4*7	2.10	100
33	4*7	2.10	110	5*7	1.70	110	5*7	0.80	160
47	5*7	1.70	160	5*7	0.80	160	5*7	0.80	180
100	5*7	0.80	160	5*7	0.65	175	5*7	0.68	185
				6.3*7	0.50	200	6.3*7	0.50	200
220	6.3*7	0.50	200	6.3*7	0.45	210	6.3*7	0.40	220
				8*7	0.40	240	8*7	0.32	242
470	8*7	0.40	220						

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz

Case Size ΦD X L (mm)

Maximum Impedance (Ω) at 20°C 100KHz

Voltage	25V			35V					
Cap(μF)	Size	Imp	Ripple	Size	Imp	Ripple			
4.7				4*7	3.60	70			
10	4*7	3.30	70	5*7	1.70	110			
22	5*7	1.70	110	6.3*7	0.80	160			
33	6.3*7	0.80	160	8*7	0.50	200			
47	8*7	0.80	180	8*7	0.40	220			
100	8*7	0.78	220						

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz

Case Size ΦD X L (mm)

Maximum Impedance (Ω) at 20°C 100KHz