



SZV SERIES

105°C Low Impedance, Lead Free Reflow Soldering.

◆FEATURES

- Load Life : 105°C 1000 hours.
- Lead free reflow soldering is available.
- Available for high density mounting.
- Low impedance at 100kHz with selected materials.
- RoHS compliance.



◆SPECIFICATIONS

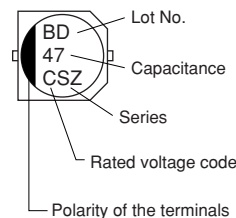
Items	Characteristics																					
Category Temperature Range	-55~+105°C																					
Rated Voltage Range	6.3~35V.DC																					
Capacitance Tolerance	±20% (20°C, 120Hz)																					
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μ A) C=Rated Capacitance(μ F) V=Rated Voltage(V)																					
Dissipation Factor(MAX) (tan δ)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tan δ</td> <td>0.26</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td></td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	(20°C, 120Hz)	tan δ	0.26	0.19	0.16	0.14	0.12								
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Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	Capacitance Change	Within ±25% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.															
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>Z(-55°C)/Z(20°C)</td> <td>5</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td></td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	(120Hz)	Z(-25°C)/Z(20°C)	2	2	2	2	2		Z(-55°C)/Z(20°C)	5	4	4	3	3	
Rated Voltage (V)	6.3	10	16	25	35	(120Hz)																
Z(-25°C)/Z(20°C)	2	2	2	2	2																	
Z(-55°C)/Z(20°C)	5	4	4	3	3																	

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	120	1k	10k	100k≤
1 μF	0.30	0.60	0.80	1.00
2.2~4.7 μF	0.42	0.60	0.80	1.00
10~33 μF	0.55	0.75	0.90	1.00
47~100 μF	0.70	0.85	0.95	1.00

◆MARKING



Rated Voltage (V)	6.3	10	16	25	35
Rated Voltage code	j	A	C	E	V

◆PART NUMBER

 SZV

 D×L
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Case Size

