

**NSKV SERIES**
**105°C Bi-polar, Lead Free Reflow Soldering.**
**◆ FEATURES**

- Lead Free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

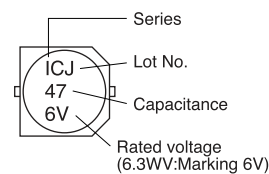

**◆ SPECIFICATIONS**

Items	Characteristics																					
Category Temperature Range	-55~+105°C																					
Rated Voltage Range	6.3~50V.DC																					
Capacitance Tolerance	± 20% (20°C, 120Hz)																					
Leakage Current(MAX)	I=0.05CV or 10 μ A 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)	(20°C, 120Hz) <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>50</td> </tr> <tr> <td>tan δ</td> <td>0.35</td> <td>0.26</td> <td>0.24</td> <td>0.22</td> <td>0.20</td> <td>0.18</td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	tan δ	0.35	0.26	0.24	0.22	0.20	0.18							
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tan δ	0.35	0.26	0.24	0.22	0.20	0.18																
Endurance	After applying rated voltage with rated ripple current for 1000hrs at 105°C, (The polarity shall be reversed every 250hrs.), 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)	(120Hz) <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>50</td> </tr> <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>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </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	8	4	4	3	3
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Z(-25°C)/Z(20°C)	4	3	2	2	2	2																
Z(-40°C)/Z(20°C)	8	8	4	4	3	3																

**◆ MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k≤
0.1 ~ 1 μ F	0.50	1.00	1.20	1.30	1.50
2.2 ~ 4.7 μ F	0.65	1.00	1.20	1.30	1.50
10 ~ 47 μ F	0.80	1.00	1.20	1.30	1.50

**◆ MARKING**

**◆ PART NUMBER**

□□□	NSKV	□□□□□	□	□□□	DXL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Case Size

