



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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

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

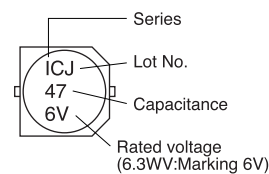

**◆ SPECIFICATIONS**

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)	<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>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> </tbody> </table> (20°C, 120Hz)	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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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"> <tbody> <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> </tbody> </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"> <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>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table> (120Hz)	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(-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

