

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

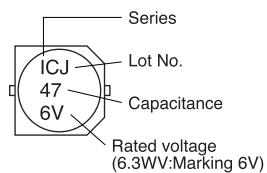
Items	Characteristics													
Category Temperature Range	-55~+105°C													
Rated Voltage Range	6.3~50V.DC													
Capacitance Tolerance	$\pm 20\%$ (20°C, 120Hz)													
Leakage Current(MAX)	I=0.05CV or $10 \mu A$ whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)													
Dissipation Factor(MAX) ($\tan \delta$)	Rated Voltage (V)	6.3	10	16	25	35	50	(20°C, 120Hz)						
	$\tan \delta$	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 $\pm 25\%$ 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 $\pm 25\%$ 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	Rated Voltage (V)	6.3	10	16	25	35	50	(120Hz)						
Impedance Ratio(MAX)	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 \leq
Coefficient	0.1~1 μF	0.50	1.00	1.20	1.30
	2.2~4.7 μF	0.65	1.00	1.20	1.30
	10~47 μF	0.80	1.00	1.20	1.30

◆ MARKING

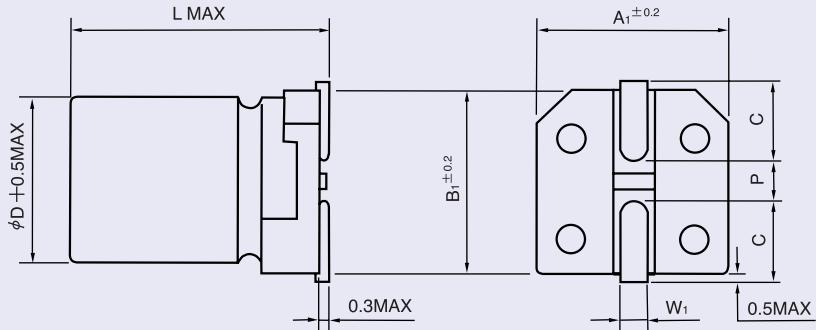


◆ PART NUMBER

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

◆ DIMENSIONS

(mm)



ϕD	L	A ₁	B ₁	C	W ₁	P
4	5.5	4.3	4.3	1.8	0.5~0.8	1.0
5	5.5	5.3	5.3	2.2	0.5~0.8	1.3
6.3	5.5	6.6	6.6	2.7	0.5~0.8	1.8

◆ STANDARD SIZE, RATED RIPPLE CURRENT

Size ϕ D×L(mm), Ripple Current (mA r.m.s./105°C, 120Hz)