

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

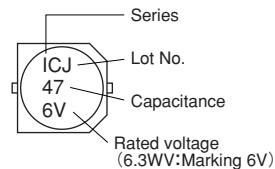
Items	Characteristics						
Category Temperature Range	−55~+105°C						
Rated Voltage Range	6.3~50V.DC						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	I=0.05CV or 10 μA whichever is greater.					(After 2 minutes application of rated voltage)	
	I=Leakage Current(μ A)			C=Rated Capacitance(μ F)			V=Rated Voltage(V)
Dissipation Factor(MAX) (tan δ)	Rated Voltage (V)	6.3	10	16	25	35	50
	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.						
	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.				
Low Temperature Stability Impedance Ratio(MAX)	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
	(120Hz)						

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

	Frequency (Hz)	60(50)	120	500	1k	10k
Coefficient	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



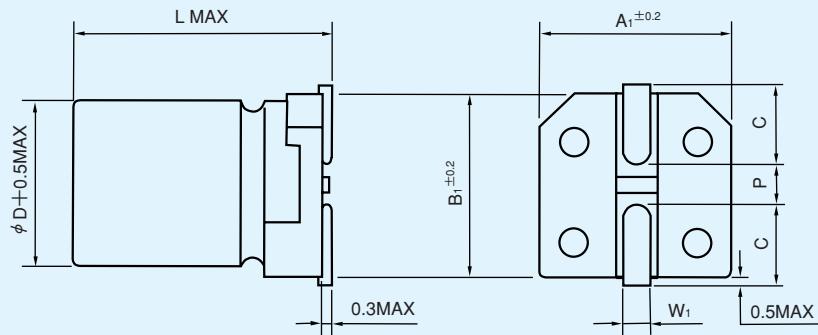
◆PART NUMBER

□□□ NSKV □□□□□
Rated Voltage Series Rated Capacitance Capacitance Tolerance □□□ D X L
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)