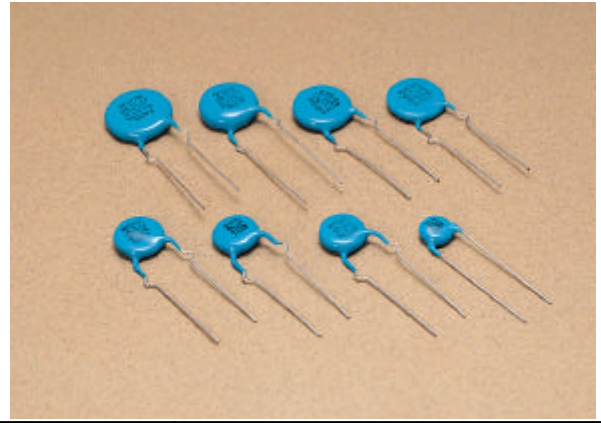


AC Rated Ceramic Capacitors

NK Type

The Safety Capacitor

Recognized by **UL/CSA/VDE/SEV/SEMKO/DEMKO/NEMKO/FIMKO**



APPLICATION

Type NK recognized by UL, CSA, VDE, SEV, SEMKO, DEMKO, NEMKO and FIMKO, these capacitors are applicable to "Class II" equipments

RECOGNIZED STANDARD

Standard	Rated Voltage	File Number
UL 1414	250VAC	E107942
CSA C22.2	250VAC	LR88453-12
VDE IEC 384-14 2nd	X ₁ : 400VAC, Y ₁ : 250VAC	15604-4670-8010
SEMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₁ : 250VAC	9636083 01
SEV IEC 384-14 2nd	X ₁ : 400VAC, Y ₁ : 250VAC	95.1 10350, 09
DEMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₁ : 250VAC	122492 / DK 97-01520
NEMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₁ : 250VAC	P97101988
FIMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₁ : 250VAC	195754-01...02

SPECIFICATIONS (TYPE NK)

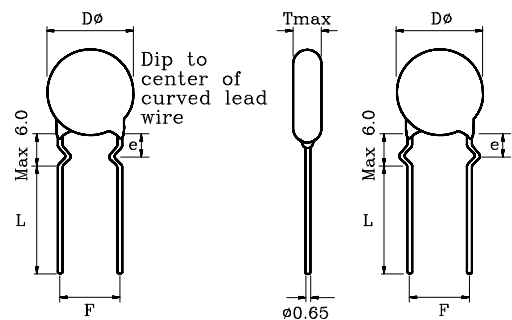
DIMENSIONS

Operating Temp. Range	-25~85℃			Part Number	* Forming Style	* Taping Form	Temp Char	Cap. Value (pF)	Cap. Tol (%)	Dimensions (mm)		
										D	T	F
Capacitance	Within the tolerance, when measured at 1kHz and 25℃			DA2GYB101MK	617, 897	837	B	100	±10, ±20	9	8	10±1.5
Dissipation Factor	B/Y5P, E/Y5U : 2.5% max. When measured at 1kHz, 5Vrms. max. and 25℃			DA2GYB151MK	617, 897	837	B	150	±10, ±20	9		10±1.5
				DA2GYB221MK	617, 897	837	B	220	±10, ±20	9		10±1.5
				DA2GYB331MK	617, 897	837	B	330	±10, ±20	9		10±1.5
				DA2GYB471MK	617, 897	837	B	470	±10, ±20	9		10±1.5
				DA2GYB681MK	617, 897	837	B	680	±10, ±20	11		10±1.5
Insulation Resistance	10000MΩ min. at 500V DC. 1 minute			DA2GYB102MK	617, 897	837	B	1000	±10, ±20	12		10±1.5
				DA2GYE102MK	617, 897	837	E	1000	±20	9		10±1.5
Temperature Characteristics	T.C	Cap. Change	Temp.	DA2GYE152MK	617, 897	837	E	1500	±20	10		10±1.5
	B/Y5P E/Y5U	±10% max. ± ²⁰ / ₅₅ % max.	-25~85℃	DA2GYE222MK	617, 897	837	E	2200	±20	11		10±1.5
				DA2GYE332MK	617, 897	837	E	3300	±20	14		10±1.5
				DA2GYE392MK	617, 897	837	E	3900	±20	14		10±1.5
				DA2GYE472MK	617, 897	837	E	4700	±20	16		10±1.5
Testing Voltage				4000VAC, 1 minute								

Note) * : See page 17

MARKING

Type Designation NK	Manufacturer's Name	
Nominal Capacitance	Class of capacitor.	X1, Y1
Tolerance of Capacitance	Manufactured Date	
UL monogram	Working Voltage X ₁ :400~/Y ₁ :250~	
CSA monogram	The code of origin	NK501
VDE monogram	DEMKO monogram	
SEMKO monogram	NEMKO monogram	
SEV monogram	FIMKO monogram	



AC Rated Ceramic Capacitors

■ NU Type

The Safety Capacitor Recognized by **UL/CSA/VDE/SEV/SEMKO/DEMKO/NEMKO/FIMKO**

● APPLICATION

Type NU recognized by UL, CSA, VDE, SEV, SEMKO, DEMKO, NEMKO and FIMKO, these capacitors can be used as Across-The-Line, Antenna Coupling and Line by Pass, for industrial power supply, radio and TV appliance and similar equipment.

● RECOGNIZED STANDARD

Standard	Rated Voltage	File Number
UL 1414	250VAC	E107942
CSA C22.2	250VAC	LR 88453
VDE IEC 384-14 2nd	X ₁ : 400VAC, Y ₂ : 250VAC	15604-4670-8009
SEMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₂ : 250VAC	9627005 01
SEV IEC 384-14 2nd	X ₁ : 400VAC, Y ₂ : 250VAC	95.1 10350, 10
DEMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₂ : 250VAC	122492 / DK 97-01631
NEMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₂ : 250VAC	P97101989
FIMKO IEC 384-14 2nd	X ₁ : 400VAC, Y ₂ : 250VAC	195755-01...04









● SPECIFICATIONS (TYPE NU)

● DIMENSIONS

Operating Temp. Range	-25~85℃			Part Number	* Forming Style	* Taping Form	Temp. Char	Cap. Value (pF)	Cap. Tol (%)	Dimensions (mm)		
	D	T	F									
Capacitance	Within the tolerance, when measured at 1kHz and 25℃			DA2GYB101MU	615, 895	825	B	100	±10, ±20	8	7	7.5±1.0
Dissipation Factor	B/Y5P, E/Y5U : 2.5% max. F/Y5V : 5.0% max. When measured at 1kHz, 5Vrms. max. and 25℃			DA2GYB151MU	615, 895	825	B	150	±10, ±20	8		7.5±1.0
	DA2GYB221MU	615, 895	825	B	220	±10, ±20	8	7.5±1.0				
Insulation Resistance	10000MΩ min. at 500V DC. 1 minute			DA2GYB331MU	615, 895	825	B	330	±10, ±20	8		7.5±1.0
	DA2GYB471MU	615, 895	825	B	470	±10, ±20	8	7.5±1.0				
Temperature Characteristics	T.C	Cap. Change	Temp.	DA2GYB681MU	615, 895	825	B	680	±10, ±20	9		7.5±1.0
	B/Y5P	±10 % max.	-25~85℃	DA2GYB102MU	615, 895	825	B	1000	±10, ±20	11		7.5±1.0
E/Y5U	±20 % max.	DA2GYE102MU		615, 895	825	E	1000	±20	8	7.5±1.0		
F/Y5V	±30 % max.	DA2GYE152MU		615, 895	825	E	1500	±20	9	7.5±1.0		
DA2GYE222MU	615, 895	825		E	2200	±20	10	7.5±1.0				
DA2GYE332MU	615, 895	825		E	3300	±20	12	7.5±1.0				
DA2GYE392MU	617, 897	825		E	3900	±20	14	10±1.5				
Testing Voltage	1500VAC, 1 minute For 250VAC 2500VAC, 1 minute For 400VAC			DA2GYE472MU	617, 897	825	E	4700	±20	14		10±1.5
	DA2GYF472MU	615, 895	825	F	4700	±20	11	7.5±1.5				
DA2GYF103MU	617, 897	830	F	10000	±20	14	10±1.5					

Note) * : See page 17

● MARKING

Type Designation NU	Manufacturer's Name	
Nominal Capacitance	Class of capacitor.	X1, Y2
Tolerance of Capacitance	Manufactured Date	
UL monogram		Working Voltage X ₁ :400~/Y ₂ :250~
CSA monogram		The code of origin NK501
VDE monogram		DEMKO monogram 
SEMKO monogram		NEMKO monogram 
SEV monogram		FIMKO monogram 