



SAFETY STANDARD RECOGNIZED CERAMIC CAPACITOR

JAN-NAY Safety Recognized Ceramic Disc Capacitors are designed especially for IEC 384-14 2nd edition (1993) and across-the-line antenna-coupling, line-by-pass application

APPROVAL STANDARD AND RECOGNIZED NO.

Certificated Body	Related Standard	Certificate Nuber	AC Rated Voltage
UL	UL1414	E201384(JN/JY/JR)	JNA TYPE: Class X1: 440 VAC Y1: 400 VAC UL, CSA: 250 VAC JN TYPE: Class X1: 400 VAC Y1: 250 VAC UL, CSA: 250 VAC JY TYPE: Class X1: 400 VAC Y2: 250 VAC UL, CSA: 250 VAC JR TYPE: Class X1: 400 VAC Y2: 250 VAC UL, CSA: 250 VAC
CAS	C22.2 NO.1	L R 113866-3(JN/JY/JR)	
FIMKO	EN 132400:1994 IEC 384-14	FI 1996A1(JN/JY) F1 16191A3(JR)	
DEMKO	2nd Edition(1993) (IEC60384-14 2nd Ed)	312382-02(JN/JY) 310369-04(JR)	
SEMKO		203694(JN/JY) 203690(JR)	
NEMKO	Reinforced Body Insolation/0.4mm min.	P03201251(JN/JY) P04201600(JR)	
SEV	Approued by VDE (Type JNA, JN, JY)	04.0039(JN) 04.0022(JY) 00.0042(JR)	
VDE		40001831 (JN) 40001827 (JY) 40001833 (JR)	
CB		FI 1380(JN) FI 1379A1(JY) FI 1790(JR)	
ENEC 10		40001831 (JN) 40001827 (JY) 40001833 (JR)	
CQC(CHINA)		CQC03001007718(JY) CQC03001007717(JN) CQC043001009834(JR)	
EK(KOREA)		HU03020-5001A	

SPECIFICATION

Characteristics	Type JN /JNA	Type JY	Type JR
Capacitance Range	100pF to 4700pf	100pF to 10000pF	5.1pF to 1500pF
Operating Temperature Range	-25°C to 125 °C	-25°C to 125 °C	-55°C to 125 °C
Rated Voltage	X1: 440VAC, Y1: 250VAC / 400VAC	X1: 440VAC, Y2: 250VAC	X1: 440VAC, Y2: 250VAC

Dielectric Withstanding Volt.	4000 VAC for 1 minute	2600 VAC for 1 minute	2600VAC for 1 minute
Capacitance	Within the specified tolerance when measured at 1KHz \pm 20%(Y5P,Y5U,Y5V,X7R), 1MHz \pm 20%(C0G), 1Vrms and 25°C		
Dissipation Factor(tan)	tan <2.5% for char , Y5P,Y5U,Y5V,X7R when measured at 1KHz \pm 20% 1Vrms and 25 °C Quality Factor> 300 for char. .C0G when measured at 1MHz \pm 20% 1Vrms and 25 °C		
Insulation Resistance	10,000 M Ω min. at 500 VDC		

HOW TO ORDER;@ **last PAGE****JYA-NAY CO., LTD.**

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HOW TO ORDER

<u>JN</u>	<u>09</u>	<u>E</u>	<u>102</u>	<u>M</u>	<u>Y</u>	<u>7</u>	<u>2</u>	<u>N</u>
TYPE	Dia. code	Dielectric	Capacitance code	Tolerance	Lead Stype	Lead spacing	Lead length	RoHS Type
JN:Class X1, Y1		B: Y5P	101: 100pF	C: ±0.25%pF	Lead code: Y	0: 10mm	2: 25mm min.	
JNA:Class X1, Y1		E: Y5U	5R1:5.1pF	J: ±5%	Lead code: K	1: 12.5mm	5: 5 ± 1 mm	
JY:Class X1, Y2		F: Y5V	102: 1000pF	K: ±10%	Lead code: D	5.5mm	8: 8 ± 1 mm	
JR:Class X1, Y2		R: X7R	222: 2200pF	M: ±20%	Lead code: L	7: 7.5mm	3: 3.5± 1 mm	
		C: C0G	103: 10000pF			6:6.35mm	T1/T2:Taping Box	
							R1/R2:Taping Reel	

Features

- Operating temperature range guaranteed up to 125°C(UL/CSA:85°C)
- IEC 384-14 2ND edition(1993) Class X1, Y1; ClassX1.Y2
- The type JNA, JN, JY, JR is recognized by UL/CSA/FIMKO/DEMKO/SEMKO/NEMKO /SEV/VDE/CHINA/KOREA
- Coated with Flam-retardant epoxy resin (conforming to UL94-0 standards)
- Suitable for automatic insertion

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