

Item no.: 1566329, 1564953, 1566330, 1564955, 1566328, 1564954, 1566331, 1564950, 1570058, 1564956, 1566332, 1566334, 1564957, 1566337, 1566338, 1571954, 1564958, 1566340, 1566333, 1566335, 1566336, 1570059, 1571955, 1571269, 1566341, 1564951, 1564952, 1566344, 1571956, 1566339, 1566342, 1566343, 1570060, 1571957, 1564959, 1566345, 1566346

Data Sheet

Suppression capacitor Radial lead -MKP series - X2 class



(representative picture only for the series)

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Data Sheet

BN	Tolerance	uF	Voltage	H (mm)	L (mm)	W (mm)	PITCH (mm)	Approval
1566329	±10%	0.01	275VAC	9	13	4	10	VDE
1564953	±10%	0.022	275VAC	9	13	4	10	VDE
1566330	±10%	0.047	275VAC	12	13	6	10	VDE
1564955	±10%	0.1	275VAC	12	13	6	10	VDE
1566328	±10%	0.022	275VAC	11	18	5	15	VDE
1564954	±10%	0.047	275VAC	11	18	5	15	VDE
1566331	±10%	0.068	275VAC	12	18	6	15	VDE
1564950	±10%	0.1	275VAC	11	18	5	15	VDE
1570058	±10%	0.1	275VAC	12	18	6	15	VDE
1564956	±10%	0.15	275VAC	12	18	6	15	VDE
1566332	±10%	0.15	275VAC	14.5	18	8.5	15	VDE
1566334	±10%	0.22	275VAC	13.5	18	7.5	15	VDE
1564957	±10%	0.22	275VAC	14.5	18	8.5	15	VDE
1566337	±10%	0.33	275VAC	14.5	18	8.5	15	VDE

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Data Sheet

BN	Tolerance	uF	Voltage	H (mm)	L (mm)	W (mm)	PITCH (mm)	Approval
1566338	±10%	0.33	275VAC	6	8	10	15	VDE
1571954	±10%	0.47	275VAC	16	18	10	15	VDE
1564958	±10%	0.47	275VAC	18	19	11	15	VDE
1566340	±10%	0.68	275VAC	16	18	10	15	VDE
1566333	±10%	0.15	275VAC	15	26.5	6	22.5	VDE
1566335	±10%	0.22	275VAC	15	26.5	6	22.5	VDE
1566336	±10%	0.22	275VAC	17	26.5	7	22.5	VDE
1570059	±10%	0.33	275VAC	17	26.5	7	22.5	VDE
1571955	±10%	0.47	275VAC	17	26.5	8.5	22.5	VDE
1571269	±10%	0.47	275VAC	19	26.5	10	22.5	VDE
1566341	±10%	0.68	275VAC	19	26.5	10	22.5	VDE
1564951	±10%	0.82	275VAC	20	32	11	22.5	VDE
1564952	±10%	1	275VAC	20	26.5	11	22.5	VDE
1566344	±10%	1	275VAC	21.5	26.5	12.5	22.5	VDE
1571956	±10%	0.47	275VAC	20	30	11	27.5	VDE
1566339	±10%	0.56	275VAC	20	30	11	27.5	VDE
1566342	±10%	0.68	275VAC	20	30	11	27.5	VDE
1566343	±10%	0.82	275VAC	23	32	13	27.5	VDE
1570060	±10%	1	275VAC	20	32	11	27.5	VDE

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Data Sheet

BN	Tolerance	uF	Voltage	H (mm)	L (mm)	W (mm)	PITCH (mm)	Approval
1571957	±10%	1.2	275VAC	23	32	13	27.5	VDE
1564959	±10%	1.5	275VAC	25	32	15	27.5	VDE
1566345	±10%	2	275VAC	30	32	15	27.5	VDE
1566346	±10%	2.2	275VAC	30	32	18	27.5	VDE

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Data Sheet

MAIN INTERFERENCE SUPPRESSION CAPACITOR CLASS X₂.....MEX--X₂

SPECIFICATION:

1. REFERENCE STANDARDS :

SEV DIN EN 132 400(1994)/IEC 384-14(1993) AND IEC DRAFT 40 (SEC)677
NEMKO DIN EN 132 400(1994)/IEC 384-14(1993) AND IEC DRAFT 40 (SEC)677
DEMKO DIN EN 132 400(1994)/IEC 384-14(1993) AND IEC DRAFT 40 (SEC)677
SEMKO DIN EN 132 400(1994)/IEC 384-14(1993) AND IEC DRAFT 40 (SEC)677
FIMKO DIN EN 132 400(1994)/IEC 384-14(1993) AND IEC DRAFT 40 (SEC)677
VDE IEC 60384-14: 1993-07, Table II + A1:1995-06
EK APPLIED STANDARD: K60384-14 (CAPACITANCE AREA 0.1 to 1.0uF)
CQC THE STANDARDS FOR THE PRODUCTS TO BE TESTED: GB/T14472-1998
CAN/CSA—C22.2 NO.1-94(250V AC)
UL 1414 & UL 1283(250V AC)

USED FOR ACROSS-THE-LINE CAPACITORS,
AND TENNA-COUPLINE,
LINE-BY-PASS COMPONENTS,
RADIO INTERFERENCE SUPPRESSION,
ELECTRON MAGNETIC INTERFERENCE FILTERS.

2. RATED VOLTAGE:

275V AC 50/ 60 Hz

3. CAPACITANCE RANGE:

0.001μF to 2.2 μF

4. CAPACITANCE TOLERANCE:

± 5% (J) ± 10% (K) ± 20% (M)

5. DIELECTRIC:

METALLIZED POLYPROPYLENE FILM

6. DISSIPATION FACTOR Tan δ :

LESS THAN 0.1% AT 1 kHz AND 20°C

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7. INSULATION RESISTANCE:

BETWEEN ELECTRODES

(1) LESS THAN OR EQUAL TO $0.33 \mu F \geq 30,000 M\Omega$

(2) GREATER THAN $0.33 \mu F \geq 10,000 M\Omega / \mu F$

MEASURED AT 100VDC, 60 SEC. AND 20°C

8. WITHSTAND VOLTAGE :

APPLIED 1183V.DC FOR 60 SEC. OR 2000V.DC FOR 1 SEC.

9. CLIMATE CATEGORY: IN ACCORDANCE WITH DIN40040 GMF

G (MINIMUM LIMIT TEMPERATURE)= -40°C

M (MAXIMUM LIMIT TEMPERATURE)= +100°C

F (HUMIDITY CATEGORY)=AVERAGE RELATIVE HUMIDITY $\leq 75\%$, 95% FOR 30 DAYS PER YEAR, CONTINUOUSLY; 85% FOR THE REMAINING DAYS, OCCASIONALLY

10. HUMIDITY TEST:

TEST CONDITION

TEST TEMPERATURE : $40 \pm 2^\circ C$

RELATIVE HUMIDITY : 90 TO 95%

TEST DURATION : 500 HRS

TEST CRITERIA

(1) CAPACITANCE DRIFT : $\leq 5\%$ OF THE INITIAL VALUE

(2) INSULATION RESISTANCE : $\leq 50\%$ OF SPECIFIED VALUE

11. LIFE TEST:

TEST CONDITION

TEST TEMPERATURE : $100 \pm 3^\circ C$

TEST VOLTAGE : 343VAC AND 1000VDC 60HZ FOR A PERIOD OF 0.1 SEC. ONCE EACH HOUR

TEST DURATION : 1008 HRS

TEST CRITERIA

(1) CAPACITANCE DRIFT : $\leq 10\%$ OF THE INITIAL VALUE

(2) INSULATION RESISTANCE : $\geq 50\%$ OF SPECIFIED VALUE

(3) VISUAL INSPECTION : NO DETECTABLE DAMAGE

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12. SOLDERABILITY:

TEST CONDITIONS

SOLDER BATH TEMPERATURE : $260 \pm 5^{\circ}\text{C}$

SOLDER : sn/cu=99.3%/0.7%

SOLDER TIME : 3 ± 0.5 SEC

TEST CRITERIA

75% OF THE SURFACE TINNING

13. VIBRATION RESISTANCE: (JIS 5115)

TEST CONDITIONS

FREQUENCY CYCLE : 1 MINUTE PER CYCLE 10-55-10 HZ

TEST DURATION : PERPENDICULAR DIRECTION WITH THE SAME
METHOD FOR 45 MINUTES EACH, TOTAL 90 MINUTES

TEST CRITERIA

(1) APPEARANCE : NO VISUAL DAMAGE

(2) CONTACT : NORMAL

14. TENSILE STRENGTH OF ELECTRODES:

TEST CONDITIONS

LOAD CONDITIONS : 1.0KGS

HOLDING TIME : 10 ± 1 SEC

TEST CRITERIA

NO WIRE BROKEN AND NO DAMAGE OF THE CAPACITOR

15. MARKING:

CAPACITORS ARE MARKED WITH TYPE IDENTIFICATION, CAPACITANCE,
CAPACITANCE TOLERANCE, VOLTAGE AND APPROVED CERTIFICATION MARK

16. APPROVED BY: SEV: NEMKO; DEMKO; SEMKO; FIMKO; VDE;CQC;CSA;UL;EK

SEV FILE NO. 99,7 70170,01

NEMKO FILE NO. P99100418

DEMKO FILE NO. DK99-01936

SEMKO FILE NO. 9921015/01

FIMKO FILE NO. 208003

VDE FILE NO. 119119

CQC FILE NO. CQC03001003039

UL FILE NO. E186475

CSA FILE NO. LR 109774-1

EK FILE NO. SU03019-5001