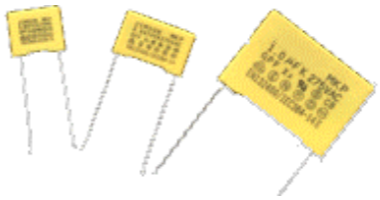
EL.CO ELETTRONICA SRL V.le Italia 108, 31015 Conegliano TV, Italy
PI/CF IT00319490264 - Reg.Impr. TV 00319490264 - R.E.A. TV 96432 - Capitale Sociale € 118.000,00 i.v.
Cod.SDI MJEGRSK - Iscrizione al Registro Nazionale Pile e Accumulatori IT13100P00003326
Tel 0438 64637 - 0438 457217 - Email info@elcoteam.com
www.elcoteam.com

MKP Radio Interference Suppression X2 Capacitor

CONSTRUCTION

* Polypropylene film dielectric with vacuumevaporated metal electrodes,radial leads of tinned wire are electrically welded to the contact metal layer of the ends of capacitor winding,encapsulated in reinforced flameresistant plastic case sealed with expoxy resin meeting the requirement of UL 94V-0



FEATURE

*High stability of capacitance and DF versus wide temperature and frequency range.

*High transient endurance and high dielectric strength.

* Real long-term stability.

* Withstanding over-voltage strength.

APPLICATION

* line-By-Pass and Antenna coupling

* Across-the-line ,spark killer

* FMIfilter

* Switching power supply

SPECIFICATIONS

RoHS Compliant

Dielectric	Polypropylene film
Electrodes	Vacuum evaporated metal
Coating	Encapsulated in reinforced flame retardant plastic case sealed with epoxy resin meeting the requirement of UL94V-0
Leads	Radial leads of tinned wire / insulation flexible wire
Reference Standard	IEC 384-14(2nd Edition,1993)UL1414,UL1283,GB/T14472- 1998,EN1324004
Temperature Range	40/100/21(GMF) *Operating Temp. –40 ~ +100°C*
Capacitance Versus Rated Voltage(U_R)	0.001 μF --- 2.2 μF 275VAC (50/60HZ)
Capacitance Tolerance	M= ±20% K= ±10% J= ±5%
Dissipation Factor (Tangent of Loss)	DF≤0.1% (at 20ºC 1KHz)
Voltage Proof	4.3* U_R Unit: VDC (1 minute at 20°C)
Insulation Resistance	C≤0.33 μF IR≥15,000 MΩ C>0.33 μF IR * C≥5,000 S (1 minute at 20 ºC and RH≤65%)
Endurance	The test voltage 125% shall be applied for 1000 hours in the 85°C chamber.Each of these voltage shall be applied to each capacitor individually through a resistor of 47Ω±5%,During this period,1000VAC 60HZ for 0.1sec be applied once each hour. After the Test: △C/C≤10%; IR≥50% of the Specified value △DF≤0.8%;(C≤1μF) △DF≤0.5% (C>1μF) (at 20°C 1 KHz)

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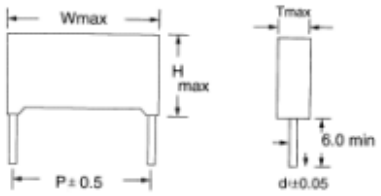
DIMENSION

Unit:mm

SYMBOL	µF	W	H	T	P	dØ
102	0.0010	13.0	9.0	4.0	10.0	0.6
122	0.0012	13.0	9.0	4.0	10.0	0.6
152	0.0015	13.0	9.0	4.0	10.0	0.6
182	0.0018	13.0	9.0	4.0	10.0	0.6
222	0.0022	13.0	9.0	4.0	10.0	0.6
272	0.0027	13.0	9.0	4.0	10.0	0.6
332	0.0033	13.0	11.0	5.0	10.0	0.6
392	0.0039	13.0	11.0	5.0	10.0	0.6
472	0.0047	13.0	11.0	5.0	10.0	0.6
562	0.0056	13.0	11.0	5.0	10.0	0.6
682	0.0068	13.0	11.0	5.0	10.0	0.6
822	0.0082	13.0	11.0	5.0	10.0	0.6
103	0.010	13.0	11.0	5.0	10.0	0.6
123	0.012	13.0	11.0	5.0	10.0	0.6
153	0.015	13.0	11.0	5.0	10.0	0.6
183	0.018	13.0	11.0	5.0	10.0	0.6
223	0.022	13.0	11.0	5.0	10.0	0.6
273	0.027	13.0	12.0	6.0	10.0	0.6
333	0.033	13.0	12.0	6.0	10.0	0.6
393	0.039	18.0	11.0	5.0	15.0	0.8
473	0.047	18.0	11.0	5.0	15.0	0.8
563	0.056	18.0	11.0	5.0	15.0	0.8
683	0.068	18.0	10.0	5.0	15.0	0.8
823	0.082	18.5	13.5	7.5	15.0	0.8
104	0.10	13.0	11.0	5.0	10.0	0.8
104	0.10	18.0	12.0	6.0	15.0	0.8
124	0.12	18.0	13.5	7.5	15.0	0.8
154	0.15	18.0	14.5	8.5	15.0	0.8
154	0.15	26.5	16.5	7.0	22.5	0.8
184	0.18	26.5	16.5	7.0	22.5	0.8
224	0.22	18	14.5	8.5	15	0.8
224	0.22	26.5	15.0	6.0	22.5	0.8
274	0.27	26.5	17.0	8.5	22.5	0.8
334	0.33	18	18	10.0	15	0.8
334	0.33	26.5	16.5	7.0	22.5	0.8
394	0.39	26.5	19.0	10.0	22.5	0.8
474	0.47	26.5	19.0	10.0	22.5	0.8
474	0.47	32.0	20.0	11.0	27.5	0.8
564	0.56	32.0	20.0	11.0	27.5	0.8
684	0.68	32.0	20.0	11.0	27.5	0.8
824	0.82	32.0	22.0	11.0	27.5	0.8
105	1.0	26.5	21.5	12.5	22.5	0.8
105	1.0	32.0	22.0	11.0	27.5	0.8
155	1.5	32.0	25	14	27.5	0.8
225	2.2	32.0	31	18	27.5	0.8

OUTLINE DRAWING



APPROVALS/REFERENCE DOCUMENTS

	Swenden SS4430414 (EN132400-1994/IEC 384-14)	963502601
	Norway MEMKO 132/85 (IEC384/14-93)	No.P96102285
	DENMARK staerkst.regl 1962/21 (IEC384/14-93)	305888
	FILAND IEC384/14-93	192032-01
CB	IEC384/14-93 AM1:95	No.2848
	SWIZERLAND SEV 1055/1978 (IEC 60384-14-93)	97.7 70087,01
	GERMANY VDE 565 TEIL 1/12.79 EN132400	40000463
c US	U.S.A/CSA UL1283	E221606
	CANADA C22.2 No.1-1994	LR108534-1
10	VDE565 Tell/1279	40000463
	USA/CSA UL1283	E152288 (N)
CQC	CHINA CQC GB/T14472-93	CQC 03001002847

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