

# Film Capacitors

## EF9-X2 MKP Metallized Polypropylene Film Capacitors

**ELECSOUND®**

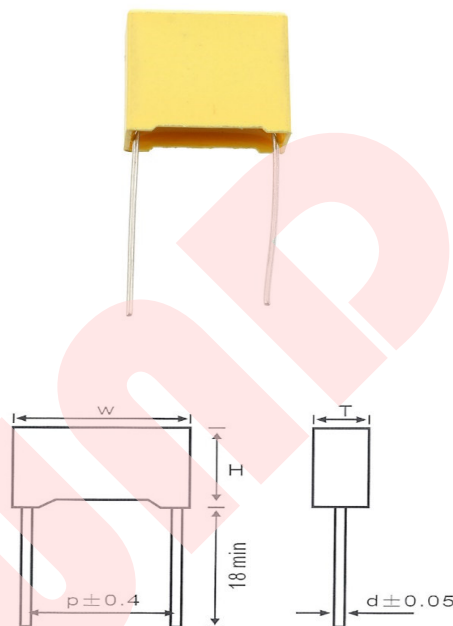
Elecsound X2-MKP are non-inductively wound with metallized polypropylene film as the dielectric/electrode with copper-clad steel leads and encapsulated in a plastic case sealed with flame retardant epoxy resin (UL94V-0).

### Features:

- Compact size
- Box type provides the identical dimensions
- Excellent flame retardant abilities
- Very low loss at high frequency, excellent temperature characteristics, suitable for high current
- High insulation resistance, excellent self-healing property and high reliability
- With standing 2.5KV impulse voltage
- Widely used in interference suppression circuits

### Technical Specifications:

- Reference Standard: GB/T 14472 (IEC60384-14)
- Climatic Category: 40/100/21
- Rated Voltage: 250/275VAC
- Capacitance Range: 0.0022 ~ 4.7 $\mu$ F
- Capacitance Tolerance:  $\pm 10\%$  (K);  $\pm 20\%$  (M)
- Voltage Proof: 2100VDC (2S)
- Dissipation Factor:  $\leq 0.001$  (20 $^{\circ}$ C, 10 KHz)
- Insulation Resistance:
  - $\geq 15000M\Omega$  @ Cr  $\leq 0.33\mu$ F (20 $^{\circ}$ C, 1 min)
  - $\geq 5000s$  @ Cr  $> 0.33\mu$ F (20 $^{\circ}$ C, 1 min)



### Dimensions: (mm)

$\mu$ F	275VAC					$\mu$ F	275VAC				
	W	H	T	P	D		W	H	T	P	D
0.0022	13	9	4	10	0.6	0.12	18	13	6.5	15	0.8
0.0027	13	9	4	10	0.6	0.15	18	13	7.5	15	0.8
0.0033	13	9	4	10	0.6	0.18	18	14.5	8.5	15	0.8
0.0039	13	9	4	10	0.6	0.22	18	14.5	8.5	15	0.8
0.0047	13	11	5	10	0.6	0.27	26.5	16.5	8.5	22.5	0.8
0.0056	13	11	5	10	0.6	0.33	26.5	16.5	7	22.5	0.8
0.0068	13	11	5	10	0.6	0.39	26.5	20	10	22.5	0.8
0.0082	13	11	5	10	0.6	0.47	26.5	20	10	22.5	0.8
0.01	13	11	5	10	0.6	0.56	32	20	11	27.5	0.8
0.012	13	11	5	10	0.6	0.68	32	20	11	27.5	0.8
0.015	13	11	5	10	0.6	0.82	32	22	13	27.5	0.8
0.018	13	11	5	10	0.6	1	32	22	13	27.5	0.8
0.022	13	11	5	10	0.6	1.5	37	26.5	17	31.5	0.8
0.027	13	11	5	10	0.6	1.8	37	29	19	31.5	0.8
0.033	13	11	5	10	0.6	2	38	28	18	31.5	0.8
0.039	13	12	6	10	0.6	2.2	38	29	19	31.5	0.8
0.047	18	11	6	15	0.8	2.5	38	30	20	31.5	0.8
0.056	18	12	6	15	0.8	3	38	30	20	31.5	0.8
0.068	18	11	5	15	0.8	3.3	38	31.5	22	31.5	0.8
0.082	18	11.5	5.5	15	0.8	4	48	30	30	41.5	1.0
0.1	18	12	6	15	0.8	4.7	48	30	30	41.5	1.0

Note: Capacitors of special specifications are made according to customer's need.

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