

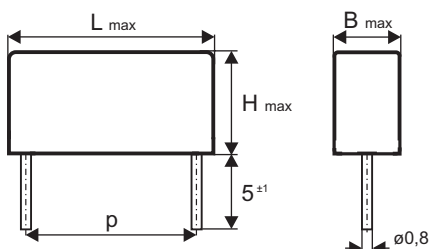
MKP Metallized Polypropylene Film Capacitors



ES Electronic components CZ

Sylabova 380/41, 703 00 OSTRAVA - Vítkovice
 Phone: +420/ 595 781 623, 596 623 385
 Fax: +420/ 595 781 612, 596 623 386
 E - mail: eso@es-ostrava.cz
 Web Site: http://www.es-ostrava.cz

MKP 300-089



Construction of capacitors:

Metallized polypropylene film capacitors noninductive constructions, radial plastic case, Self - healing ability, epoxy resin sealed. Flame retardant execution upon request also UL 94 V-0.

The capacitor is constructed by using of the certified capacitor MKP 364

Leads: tinned cooper wire or tab terminals or fastons

Reference standards: IEC 60384-1, IEC 60384-16
IECEE - CB - certificate CZ - 1162(1.103819-01/1,2)



Climatic resistivity category: dle IEC 60068-1 55/100/56

Temperature range: -55°C + +100°C

Nominal capacitance: nominal capacitance values - see table.

Tolerance: ± 20% (M), ± 10% (K), ± 5% (J), ± 2%, ± 1%

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Dissipation Factor tgδ at +25°C ± 5°C and 1 kHz: < 0,001

Insulation resistance R_{is} , Time const. t_{is}

$t_{is} = R_{is} \times C$ [sec; MΩ; μF]
 $C > 0,33\mu F$ t_{is} min. 30 000 sec.,

Maximum pulse rise time $dU/dt \leq 10V/\mu sec$

If the applied voltage U_{op} is less than U_R , the dU/dt value can be increased by the ratio U_R/U_{op}

Test voltage between terminations: $U_T = 1,6 \times U_R$ applied for 2 s at +25 °C ± 5 °C

Category voltage: up to +85°C $U_c = U_R$

For temperature between +85°C and +100 °C a decreasing factor of 1,25% per °C at the rated voltage U_R has to be applied.

Permissible AC working voltage: 400 V 50 Hz till +85°C on the surface of the capacitor

These capacitors replace the of date TESLA types TC 667, TC 669

Type	MKP 300-089
Nominal voltage $U_R = DC/AC$	1000 400*
Nominal capacitance C_R	Maximal dimensions B x H x L x p x (Lp) (mm)
2 μF**	27 x 39 x 58 x 52,5 x 45
3	27 x 39 x 58 x 52,5 x 45
4	27 x 39 x 58 x 52,5 x 45
5	27 x 39 x 58 x 52,5 x 45
8	35 x 50 x 70 x 65 x 55
10	35 x 50 x 70 x 65 x 55

* this capacitors are not suitable for across the line applications!
 The manufacturer is not responsible for any damages,
 caused by the improper installation and application.

** other values of capacity on request