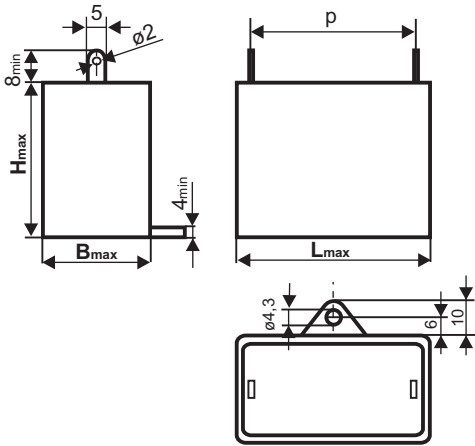


# MKT - Metallized Plastic Film Capacitors

## MKT 229



### Construction of capacitors:

Metallized plastic film capacitors noninductive constructions, radial plastic case, Self - healing ability, epoxy resin sealed. Flame retardant execution upon request also UL 94 V-0.  
**Leads:** tinned cooper wire or tab terminals or fastons

### Reference standards:

IEC 60384-1, IEC 60384-2

**CERTIFIED COMPONENT IECEE - CB - certificate CZ - 1056**



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

**Temperature range:** -55°C ÷ +100°C

**Nominal capacitance:** nominal capacitance values - see table.

**Nominal capacitance tolerance:** ± 20% (M), ± 10% (K), ± 5% (J), ± 2%, ± 1% or arbitrary tolerances on request

**Dissipation Factor tgδ** at +25°C ±5°C and 1 kHz: < 0,01

### Insulation resistance R<sub>is</sub>, Time const. t<sub>is</sub>

t<sub>is</sub> = R<sub>is</sub> × C [sec; MΩ; μF] 10 000 sec.

**Maximum pulse rise time dU/dt** (V/μs) ≤ 10V/μsec

If the applied voltage U<sub>op</sub> is less than U<sub>R</sub>, the dU/dt value can be increased by the ratio U<sub>R</sub>/U<sub>op</sub>

**Test voltage between terminations:** U<sub>t</sub> = 1,6 × U<sub>R</sub> applied for 2 s at +25°C ±5°C

### Category voltage:

up to +85°C U<sub>c</sub> = U<sub>R</sub>. For temperature between +85°C and +100°C a decreasing factor of 1,25% per °C on the rated voltage U<sub>R</sub> has to be applied.

### Permissible AC working Voltage

250 V 50 Hz till +85°C on the surface of the capacitor, at higher working frequency max. permissible working voltage must not exceed the value in diagram

**These capacitors replace the of date TESLA types TC 486, TC 487**

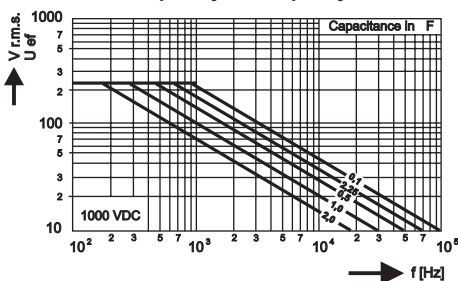


Type	MKT 229
<b>Nominal voltage</b> U <sub>R</sub> =DC/AC	<b>1000</b> <b>250*</b>
<b>Nominal capacitance</b> C <sub>R</sub>	<b>Maximal dimensions</b> <b>B x H x L x p [mm]</b>
0,10 μF**	19 x 32 x 39 x 33,5
0,16	19 x 32 x 39 x 33,5
0,25	19 x 32 x 39 x 33,5
0,5	19 x 32 x 39 x 33,5
1,0	23,5 x 36 x 39 x 33,5
2,0	27 x 40 x 39 x 33,5

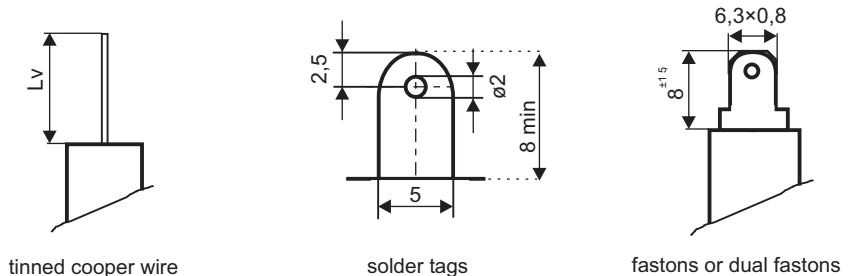
\* this capacitors are not suitable for across the line applications!  
 The manufacturer is not responsible for any damages, caused by the improper installation and application.

\*\* Other values of capacity on request

Allowed altern. voltage versus frequency and capacity



The construction of leads:



If the customer do not specify the construction of case and leads, the manufacturer supply the type for printed circuits.