



# SElectronic Kondensatoren

## HMR

**MKT-CAPACITORS**  
Plastic film – metallised – self-healing

### TECHNICAL SPECIFICATION

Dielectric:	polyester
Coatings:	aluminium metallised
Casing:	polyester film, synthetic resin sealing
Application class:	GMF according to DIN 40040
Temperature range:	-40° C up to +100° C
Insulating values:	≥0,33 µF approx. 10.000 sec. (MΩ*µF) < 0,33 µF approx. 10 <sup>5</sup> MΩ measured with 100 V at +20° C after 1 Min.
Loss factor tanδ:	5 to 8 · 10 <sup>-3</sup> measured at +20° C and 1 kHz
Tolerance:	± 5 %, ± 10 %, ± 20 %
Temperature coefficient:	+340 to +450 · 10 <sup>-6</sup> /° C
Time inconstancy:	-20° C to +85° C < 3 %
Testing voltage:	1,5 x UN 2 sec.
Impulse loading:	U <sub>N</sub> 160 V - ≤ 6 V/µS U <sub>N</sub> 250 V - ≤ 10 V/µS; U <sub>N</sub> 400 V - ≤ 15 V/µS U <sub>N</sub> 630 V - ≤ 20 V/µS; U <sub>N</sub> 1000 V - ≤ 25 V/µS
Voltage derating:	From +85° C UM 1,25 % per 1° C
Connections:	tin-plated copper wire / stranded wire / insulated wire

U <sub>N</sub>	160 V DC 70 V AC	250 V DC 160 V AC	400 V DC 200 V AC	630 V DC 220 V AC	1000 V DC 250 V AC
Cap. µF	Dimensions: DxL (mm)				
0,1				8 x 19	9 x 19
0,15			8 x 19	9 x 19	10 x 19
0,22		8 x 19	9 x 19	10 x 19	11 x 19
0,33		9 x 19	11 x 19	12 x 19	12 x 27
0,47	8 x 19	10 x 19	11 x 27	13 x 27	14 x 27
0,68	9 x 19	12 x 19	13 x 27	14 x 27	17 x 27
1,0	11 x 19	12 x 27	12 x 32	16 x 32	17 x 32
1,5	11 x 19	13 x 27	15 x 32	20 x 32	22 x 32
2,2	10 x 27	14 x 32	17 x 32	22 x 32	24 x 32
3,3	12 x 27	16 x 32	23 x 32	20 x 50	22 x 50
4,7	12 x 32	20 x 32	24 x 50	26 x 50	28 x 50
6,8	14 x 32	24 x 32	28 x 50	30 x 50	32 x 50
10	17 x 32	24 x 50	32 x 50		
15	22 x 32	30 x 50			
22	22 x 50				
27	24 x 50				
33	26 x 50				
47	30 x 50				

**GREATER CAPACITANCE VAUES AND EACH INTERMEDIATE VALUE AVAILABLE!**