

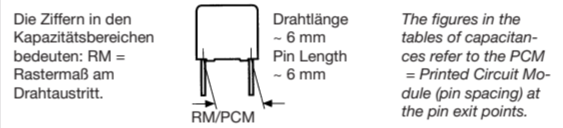


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	SMD			Rastermaß / PCM 2.5 mm		Rastermaß / PCM 5 - 52.5 mm				Für hohe Strombelastungen / For high current ratings							
	metallisiert / metallized			Film/Folie / film/foil	metallisiert / metallized	Film/Folie / film/foil				metallisiert / metallized			Für hohe Strombelastungen / For high current ratings				
Dielectric	Polyester film	Polyethylen-naphthalate film	Polyphenylene-sulphide film	Polypropylene film	Polyester film	Polyester film	Polypropylene film	Polyester film	Polypropylene film	Polyester film	Polypropylene film	Polyester film	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	
Temperature ranges	-55°C to 100°C	-55°C to 125°C	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	Ur = 50 VDC: -55°C to 100°C Ur ≥ 63 VDC: -55°C to 125°C	-55°C to 100°C	Ur = 50 VDC: -55°C to 100°C Ur ≥ 63 VDC: -55°C to 125°C	-55°C to 110°C	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	
Capacitance tolerances	±20% ±10% (±5%*)	±20% ±10% (±5%*)	±20% ±10% (±5%*)	±20% ±10% ±5% (±2.5%*)	±20% ±10% (±5%*)	±20% ±10% ±5% (±2.5%*)	±20% ±10% ±5% (±2.5%*)	±20% ±10% ±5% (±2.5%*)	±20% ±10% ±5% (±2.5%*)	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	
Dissipation factor tan δ at 1 kHz and +20°C	≤8 x 10 ⁻³ >1 µF: ≤10 x 10 ⁻³	≤8 x 10 ⁻³	≤15 x 10 ⁻³ >0.1 µF: ≤20 x 10 ⁻³	≤4 x 10 ⁻³	≤8 x 10 ⁻³	≤7 x 10 ⁻³	≤3 x 10 ⁻³ >1000 pF: ≤4 x 10 ⁻³	≤8 x 10 ⁻³	≤4 x 10 ⁻³ >0.1 µF: ≤3 x 10 ⁻³	≤8 x 10 ⁻³ >1 µF: ≤10 x 10 ⁻³	≤0.5 x 10 ⁻³	≤8 x 10 ⁻³ >1 µF: ≤10 x 10 ⁻³	≤10 x 10 ⁻³	≤10 x 10 ⁻³	≤10 x 10 ⁻³	≤6 x 10 ⁻³	≤1 x 10 ⁻² >0.33 µF: ≥30000 s
Insulation resistance at +20°C	≥3.75 x 10 ³ MΩ >0.33 µF: ≥1250 s	≥3.75 x 10 ³ MΩ >0.33 µF: ≥1250 s	≥1 x 10 ³ MΩ >0.33 µF: ≥3000 s	≥5 x 10 ³ MΩ	≥3.75 x 10 ³ MΩ >0.33 µF: ≥1250 s	≥3 x 10 ³ MΩ	≥5 x 10 ³ MΩ	≥3 x 10 ³ MΩ	≥5 x 10 ³ MΩ	≥5 x 10 ³ MΩ >0.33 µF: ≥1000 s	≥3 x 10 ⁴ MΩ	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s
Voltage ranges	63/100/250/400/630/1000 VDC	63/100/250/400 VDC	63/100/250/400/630/1000 VDC	63/100/250/400 VDC	63/100/250/400 VDC	63/100/250/400/630/1000 VDC	63/100/250/400/630/1000 VDC	63/100/250/400/630/1000 VDC	63/100/250/400/630/1000 VDC	50/100/250/400/630/1000 VDC	63/100/250/400/630/1000 VDC	63/100/250/400/630/1000 VDC	450/500/630/1000 VDC	63/100/250/400/630/1000 VDC	63/100/250/400/630/1000 VDC	100/250/400/630/1000/1500/2000/2500/3000 VDC	100/250/400/630/1000/1500/2000/2500/3000 VDC
Capacitances	27 pF, 68 pF, 100 pF, 680 pF, 1000 pF, 1500 pF, 2200 pF, 3300 pF, 4700 pF, 6800 pF, 0.01 µF, 0.015 µF, 0.022 µF, 0.033 µF, 0.047 µF, 0.068 µF, 0.1 µF, 0.15 µF, 0.22 µF, 0.33 µF, 0.47 µF, 0.68 µF, 1.0 µF, 1.5 µF, 2.2 µF, 3.3 µF, 4.7 µF, 6.8 µF, 10 µF, 15 µF, 22 µF, 33 µF, 47 µF, 68 µF, 100 µF, 150 µF, 220 µF, 330 µF, 470 µF, 680 µF																

* Die Isolationswert-Angaben beziehen sich auf die jeweils niedrigste Nennspannung der Artikelreihen. Nähere Angaben für höhere Nennspannungen siehe Hauptkatalog.
 * The insulation resistance data refers to the lowest rated voltage of each range. Further details concerning higher rated voltages see general catalogue.

* Eingegängte Toleranzen auf Anfrage.
 * Closer tolerances are available subject to special enquiry.



	Für hohe Strombelastungen / For high current ratings			Funk-Entstörkondensatoren / RFI capacitors						Filterkondensatoren / Filter capacitors		Snubber Kondensatoren / Snubber capacitors		GTO Kondensatoren / GTO capacitors	DC-LINK Kondensatoren / DC-LINK capacitors		
	mit Metallfolienbelägen u. innerer Reihenschaltung / with metal foil electrodes, internally series-connected			nach IEC / in accordance with IEC 60384-14						metallisiert / metallized		mit doppelseitig metallisierten Belagfolien / with double-metallized film electrodes		metallisiert mit innerer Reihenschaltung / metallized, internally series-connected	metallisiert / metallized		
Dielectric	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	Imprägniertes Kondensatorpapier / Paper, resin impregnated	Imprägniertes Kondensatorpapier / Paper, resin impregnated	Imprägniertes Kondensatorpapier / Paper, resin impregnated	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	Polypropylene film	
Temperature ranges	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	-55°C to 100°C	-40°C to 110°C	-40°C to 110°C	-40°C to 110°C	-55°C to 105°C	-55°C to 100°C	-55°C to 100°C	-55°C to 85°C	-55°C to 105°C (hot spot)	-55°C to 105°C (hot spot)	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	
Capacitance tolerances	±20% ±10% ±5% (other tolerances*)	±20% ±10% ±5% (other tolerances*)	±20% ±10% ±5% (other tolerances*)	±20% ±10% ±5% (other tolerances*)	±20%	±20%	±20%	±20% ±10% ±5%	±20% ±10% ±5% (other tolerances*)	±20% ±10% ±5% (other tolerances*)	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	±20% ±10% ±5%	
Dissipation factor tan δ at 1 kHz and +20°C	≤6 x 10 ⁻⁴	≤15 x 10 ⁻⁴ >0.1 µF: ≤20 x 10 ⁻⁴	≤15 x 10 ⁻⁴ >0.1 µF: ≤20 x 10 ⁻⁴	≤15 x 10 ⁻⁴ >0.1 µF: ≤20 x 10 ⁻⁴	≤13 x 10 ⁻³	≤13 x 10 ⁻³	≤13 x 10 ⁻³	≤6 x 10 ⁻⁴	≤6 x 10 ⁻⁴	≤6 x 10 ⁻⁴	≤3 x 10 ⁻⁴ >20: ≤5 x 10 ⁻⁴ / >50: ≤8 x 10 ⁻⁴	≤20% ±10% ±5%	≤20% ±10% ±5%	≤20% ±10% ±5%	≤20% ±10% ±5%	≤20% ±10% ±5%	≤20% ±10% ±5%
Insulation resistance at +20°C	≥1 x 10 ³ MΩ >0.1 µF: ≥30000 s	≥15 x 10 ³ MΩ >0.33 µF: ≥5000 s	≥15 x 10 ³ MΩ >0.33 µF: ≥5000 s	≥15 x 10 ³ MΩ >0.33 µF: ≥5000 s	≥12 x 10 ³ MΩ >0.33 µF: ≥4000 s	≥12 x 10 ³ MΩ >0.33 µF: ≥4000 s	≥12 x 10 ³ MΩ >0.33 µF: ≥4000 s	≥30000 s	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s	≥1 x 10 ³ MΩ >0.33 µF: ≥30000 s	≥10000 s	≥30000 s	≥30000 s	≥5000 s	≥5000 s	≥5000 s	
Voltage ranges	400/1000 VDC	300 VAC	400 VAC	300 VAC	250 VAC	275 VAC	300 VAC	230 VAC	700 VDC	650 VDC	400/1000 VDC	400/1000 VDC	400/1000 VDC	700 VDC	900 VDC	1100 VDC	
Capacitances	27 pF, 68 pF, 100 pF, 680 pF, 1000 pF, 1500 pF, 2200 pF, 3300 pF, 4700 pF, 6800 pF, 0.01 µF, 0.015 µF, 0.022 µF, 0.033 µF, 0.047 µF, 0.068 µF, 0.1 µF, 0.15 µF, 0.22 µF, 0.33 µF, 0.47 µF, 0.68 µF, 1.0 µF, 1.5 µF, 2.2 µF, 3.3 µF, 4.7 µF, 6.8 µF, 10 µF, 15 µF, 22 µF, 33 µF, 47 µF, 68 µF, 100 µF, 150 µF, 220 µF, 330 µF, 470 µF, 680 µF																

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 * The insulation resistance data refers to the lowest rated voltage of each range. Further details concerning higher rated voltages see general catalogue.

* Eingegängte Toleranzen auf Anfrage.
 * Closer tolerances are available subject to special enquiry.

Neue Reihen. New ranges. Verfügbar in verschiedenen Anschlusskonfigurationen. Nähere Angaben siehe Hauptkatalog. Available in various contact configurations. Further details see general catalogue.

Abhängig vom Kapazitätswert. Depending on capacitances.