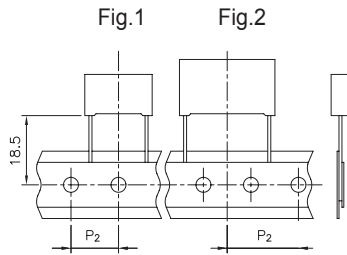
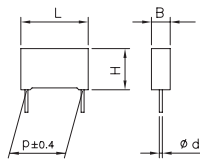


Loose

Taped



Ø d ±0.05	p ≤ 15	22.5 ≤ p ≤ 27.5	p = 37.5
	0.6 or 0.8*	0.8	1

*See size table.
All dimensions are in mm.

METALLIZED POLYPROPYLENE FILM CAPACITOR

Typical applications: P.F.C. (Power Factor Correction)
PRODUCT CODE: R71

Pitch (mm)	Box thickness (B) (mm)	Maximum dimensions (mm)		
		B max	H max	L max
10.0	All	B +0.2	H +0.1	L +0.2
15.0	<7.5	B +0.2	H +0.1	L +0.3
15.0	≥7.5	B +0.2	H +0.1	L +0.5
22.5	All	B +0.2	H +0.1	L +0.3
27.5	All	B +0.2	H +0.1	L +0.3
37.5	All	B +0.3	H +0.1	L +0.3

MKP Series

GENERAL TECHNICAL DATA

- Dielectric:** polypropylene film.
- Plates:** metal layer deposited by evaporation under vacuum.
- Winding:** non-inductive type.
- Leads:** tinned wire.
- Protection:** plastic case, thermosetting resin filled. Box material is solvent resistant and flame retardant according to UL94 V0.
- Marking:** Manufacturer's logo, series, capacitance, tolerance, D.C. rated voltage.
- Operating temperature range:** -40 to +110°C
For temperatures between +105°C and 110°C a decreasing factor of 4% per degree C on the rated voltage V_R has to be applied.

ELECTRICAL CHARACTERISTICS

- Capacitance range:** 0.01µF to 22µF
- Capacitance tolerances** (measured at 1 kHz):
±5% (J) ±10% (K); ±20% (M);
Tolerance available upon requests

Total self-inductance (L): (lead length ~2mm)

Pitch (mm)	10	15	22.5	27.5	37.5
L(nH) ≈	9	10	18	18	20

Dissipation factor (DF):

$tg\delta \times 10^{-4}$ at +25°C ±5°C: ≤10 (6)* at 1kHz *
Typical value

Insulation resistance:

Test conditions

- Temperature: +25°C±5°C
- Voltage charge time: 1 min
- Voltage charge: 100 Vdc

Performance

- ≥1 x 10⁵ MΩ for C ≤0.33µF (5 x 10⁵ MΩ)*
- ≥30000 s for C >0.33µF (150000 s)*

*Typical value

Test voltage between terminations:

1.6xV_R applied for 2 s at +25°C±5°C

TEST METHOD AND PERFORMANCE

Damp heat, steady state:

Test conditions 1st

- Temperature: +40°C±2°C
- Relative humidity (RH): 93% ±2%
- Test duration: 56 days

Test conditions 2nd

- Temperature: +60°C±2°C
- Relative humidity (RH): 95% ±2%
- Test duration: 500 hours

Performance

- Capacitance change |ΔC/C|: ≤5%
- Insulation resistance: ≥50% of initial limit.

Endurance:

Test conditions

- Temperature: +105°C±2°C
- Test duration: 2000 h
- Voltage applied: 1.25xV_R

Performance

- Capacitance change |ΔC/C|: ≤5%
- Insulation resistance: ≥50% of initial limit.

Resistance to soldering heat:

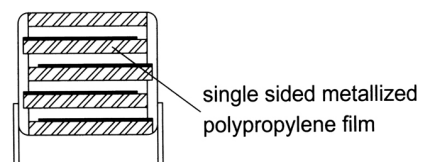
Test conditions

- Solder bath temperature: +260°C±5°C
- Dipping time (with heat screen): 10 s ±1 s

Performance

- Capacitance change |ΔC/C|: ≤2%

Winding scheme



METALLIZED POLYPROPYLENE FILM CAPACITOR

PRODUCT CODE: R71

Rated Cap.	420Vdc/220Vac Std dimensions				Ø d (mm)	Max dv/dt (V/µs)	Max K ₀ (V ² /µs)	Part Number
	B	H	L	p				
0.010 µF	4.0	9.0	13.0	10.0	0.6	250	210 E3	R71MF 2100-0-
0.015 µF	4.0	9.0	13.0	10.0	0.6	250	210 E3	R71MF 2150-0-
0.022 µF	4.0	9.0	13.0	10.0	0.6	250	210 E3	R71MF 2220-0-
0.033 µF	4.0	9.0	13.0	10.0	0.6	250	210 E3	R71MF 2330-0-
0.047 µF	4.0	9.0	13.0	10.0	0.6	250	210 E3	R71MF 2470-0-
0.068 µF	4.0	9.0	13.0	10.0	0.6	250	210 E3	R71MF 2680-3-
0.10 µF	4.0	9.0	13.0	10.0	0.6	250	210 E3	R71MF 3100-3-
0.15 µF	5.0	11.0	13.0	10.0	0.6	250	210 E3	R71MF 3150-3-
0.22 µF	6.0	12.0	13.0	10.0	0.6	250	210 E3	R71MF 3220-3-
0.10 µF	5.0	11.0	18.0	15.0	0.6	160	134 E3	R71MI 3100-0-
0.15 µF	5.0	11.0	18.0	15.0	0.6	160	134 E3	R71MI 3150-0-
0.22 µF	5.0	11.0	18.0	15.0	0.6	160	134 E3	R71MI 3220-0-
0.33 µF	6.0	12.0	18.0	15.0	0.6	160	134 E3	R71MI 3330-0-
0.47 µF	7.5	13.5	18.0	15.0	0.6	160	134 E3	R71MI 3470-0-
0.47 µF	6.0	17.5	18.0	15.0	0.6	160	134 E3	R71MI 3470-1-
0.47 µF	9.0	12.5	18.0	15.0	0.6	160	134 E3	R71MI 3470-2-
0.68 µF	6.0	17.5	18.0	15.0	0.6	160	134 E3	R71MI 3680-4-
0.68 µF	8.5	14.5	18.0	15.0	0.6	160	134 E3	R71MI 3680-3-
0.68 µF	13.0	12.0	18.0	15.0	0.8	160	134 E3	R71MI 3680-2-
1.0 µF	7.5	18.5	18.0	15.0	0.8	160	134 E3	R71MI 4100-4-M
1.0 µF	10.0	16.0	18.0	15.0	0.8	160	134 E3	R71MI 4100-3-
1.5 µF	11.0	19.0	18.0	15.0	0.8	160	134 E3	R71MI 4150-3-
0.22 µF	6.0	15.0	26.5	22.5	0.8	100	84 E3	R71MN 3220-0-
0.33 µF	6.0	15.0	26.5	22.5	0.8	100	84 E3	R71MN 3330-0-
0.47 µF	6.0	15.0	26.5	22.5	0.8	100	84 E3	R71MN 3470-0-
0.68 µF	6.0	15.0	26.5	22.5	0.8	100	84 E3	R71MN 3680-0-
1.0 µF	7.0	16.0	26.5	22.5	0.8	100	84 E3	R71MN 4100-3-
1.5 µF	8.5	17.0	26.5	22.5	0.8	100	84 E3	R71MN 4150-3-M
1.5 µF	10.0	18.5	26.5	22.5	0.8	100	84 E3	R71MN 4150-0-
2.2 µF	10.0	18.5	26.5	22.5	0.8	100	84 E3	R71MN 4220-4-M
2.2 µF	11.0	20.0	26.5	22.5	0.8	100	84 E3	R71MN 4220-3-
3.3 µF	13.0	22.0	26.5	22.5	0.8	100	84 E3	R71MN 4330-3-
0.68 µF	9.0	17.0	32.0	27.5	0.8	80	67 E3	R71MR 3680-0-
1.0 µF	9.0	17.0	32.0	27.5	0.8	80	67 E3	R71MR 4100-0-
1.5 µF	11.0	20.0	32.0	27.5	0.8	80	67 E3	R71MR 4150-0-
2.2 µF	13.0	22.0	32.0	27.5	0.8	80	67 E3	R71MR 4220-0-
3.3 µF	14.0	28.0	32.0	27.5	0.8	80	67 E3	R71MR 4330-3-
4.7 µF	18.0	33.0	32.0	27.5	0.8	80	67 E3	R71MR 4470-0-
6.8 µF	22.0	37.0	32.0	27.5	0.8	80	67 E3	R71MR 4680-0-
3.3 µF	11.0	22.0	41.5	37.5	1.0	60	50 E3	R71MW 4330-0-
4.7 µF	16.0	28.5	41.5	37.5	1.0	60	50 E3	R71MW 4470-0-
6.8 µF	19.0	32.0	41.5	37.5	1.0	60	50 E3	R71MW 4680-0-
10.0 µF	20.0	40.0	41.5	37.5	1.0	60	50 E3	R71MW 5100-0-
15.0 µF	24.0	44.0	41.5	37.5	1.0	60	50 E3	R71MW 5150-0-
22.0 µF	30.0	45.0	41.5	37.5	1.0	60	50 E3	R71MW 5220-0-

Mechanical version and packaging _____
 Internal use _____
 Tolerance: K (±10%); M (±20%) _____

All dimensions are in mm.

Note: If the working voltage (V) is lower than the rated voltage (V_R), the capacitors may work at higher dv/dt. In this case the maximum value allowed is obtained multiplying the above value (see table dv/dt) with the ratio V_R/V.

The pulse characteristics K₀ depends on the voltage waveform and in any case it cannot overcome the value given in the above table.

* Not suitable for across-the-line applications. Please refer to Interference Suppression Capacitors at page 145.

Rated Cap.	520Vdc/250Vac* Std dimensions				Ø d (mm)	Max dv/dt (V/µs)	Max K ₀ (V ² /µs)	Part Number
	B	H	L	p				
0.010 µF	4.0	9.0	13.0	10.0	0.6	300	312 E3	R71VF 2100-0-
0.015 µF	4.0	9.0	13.0	10.0	0.6	300	312 E3	R71VF 2150-0-
0.022 µF	4.0	9.0	13.0	10.0	0.6	300	312 E3	R71VF 2220-0-
0.033 µF	4.0	9.0	13.0	10.0	0.6	300	312 E3	R71VF 2330-0-
0.047 µF	4.0	9.0	13.0	10.0	0.6	300	312 E3	R71VF 2470-3-
0.068 µF	4.0	9.0	13.0	10.0	0.6	300	312 E3	R71VF 2680-3-
0.10 µF	5.0	11.0	13.0	10.0	0.6	300	312 E3	R71VF 3100-3-
0.15 µF	6.0	12.0	13.0	10.0	0.6	300	312 E3	R71VF 3150-3-
0.10 µF	5.0	11.0	18.0	15.0	0.6	200	208 E3	R71VI 3100-0-
0.15 µF	5.0	11.0	18.0	15.0	0.6	200	208 E3	R71VI 3150-3-
0.22 µF	6.0	12.0	18.0	15.0	0.6	200	208 E3	R71VI 3220-3-
0.22 µF	6.0	17.5	18.0	15.0	0.6	200	208 E3	R71VI 3220-1-
0.33 µF	6.0	17.5	18.0	15.0	0.6	200	208 E3	R71VI 3330-4-
0.33 µF	7.5	13.5	18.0	15.0	0.6	200	208 E3	R71VI 3330-3-
0.33 µF	9.0	12.5	18.0	15.0	0.6	200	208 E3	R71VI 3330-2-
0.47 µF	8.5	14.5	18.0	15.0	0.6	200	208 E3	R71VI 3470-3-
0.47 µF	7.5	18.5	18.0	15.0	0.8	200	208 E3	R71VI 3470-1-
0.47 µF	13.0	12.0	18.0	15.0	0.8	200	208 E3	R71VI 3470-2-
0.68 µF	10.0	16.0	18.0	15.0	0.8	200	208 E3	R71VI 3680-3-
1.0 µF	11.0	19.0	18.0	15.0	0.8	200	208 E3	R71VI 4100-3-M
0.22 µF	6.0	15.0	26.5	22.5	0.8	120	125 E3	R71VN 3220-0-
0.33 µF	6.0	15.0	26.5	22.5	0.8	120	125 E3	R71VN 3330-0-
0.47 µF	6.0	15.0	26.5	22.5	0.8	120	125 E3	R71VN 3470-3-
0.68 µF	7.0	16.0	26.5	22.5	0.8	120	125 E3	R71VN 3680-3-
1.0 µF	10.0	18.5	26.5	22.5	0.8	120	125 E3	R71VN 4100-3-
1.5 µF	11.0	20.0	26.5	22.5	0.8	120	125 E3	R71VN 4150-3-
2.2 µF	13.0	22.0	26.5	22.5	0.8	120	125 E3	R71VN 4220-3-
0.68 µF	9.0	17.0	32.0	27.5	0.8	100	104 E3	R71VR 3680-0-
1.0 µF	9.0	17.0	32.0	27.5	0.8	100	104 E3	R71VR 4100-3-
1.0 µF	11.0	20.0	32.0	27.5	0.8	100	104 E3	R71VR 4100-0-
1.5 µF	11.0	20.0	32.0	27.5	0.8	100	104 E3	R71VR 4150-0-
2.2 µF	13.0	25.0	32.0	27.5	0.8	100	104 E3	R71VR 4220-3-
2.2 µF	14.0	28.0	32.0	27.5	0.8	100	104 E3	R71VR 4220-0-
3.3 µF	14.0	28.0	32.0	27.5	0.8	100	104 E3	R71VR 4330-3-
3.3 µF	18.0	33.0	32.0	27.5	0.8	100	104 E3	R71VR 4330-0-
4.7 µF	18.0	33.0	32.0	27.5	0.8	100	104 E3	R71VR 4470-3-
4.7 µF	22.0	37.0	32.0	27.5	0.8	100	104 E3	R71VR 4470-0-
6.8 µF	22.0	37.0	32.0	27.5	0.8	100	104 E3	R71VR 4680-3-
2.2 µF	11.0	22.0	41.5	37.5	1.0	70	73 E3	R71VW 4220-0-
3.3 µF	13.0	24.0	41.5	37.5	1.0	70	73 E3	R71VW 4330-3-
3.3 µF	16.0	28.5	41.5	37.5	1.0	70	73 E3	R71VW 4330-0-
4.7 µF	16.0	28.5	41.5	37.5	1.0	70	73 E3	R71VW 4470-0-
6.8 µF	19.0	32.0	41.5	37.5	1.0	70	73 E3	R71VW 4680-3-
6.8 µF	20.0	40.0	41.5	37.5	1.0	70	73 E3	R71VW 4680-0-
10.0 µF	20.0	40.0	41.5	37.5	1.0	70	73 E3	R71VW 5100-3-
10.0 µF	24.0	44.0	41.5	37.5	1.0	70	73 E3	R71VW 5100-0-
15.0 µF	24.0	44.0	41.5	37.5	1.0	70	73 E3	R71VW 5150-3-
15.0 µF	30.0	45.0	41.5	37.5	1.0	70	73 E3	R71VW 5150-0-
22.0 µF	30.0	45.0	41.5	37.5	1.0	70	73 E3	R71VW 5220-0-

Mechanical version and packaging _____
 Internal use _____
 Tolerance: K (±10%); M (±20%) _____

Table 1

Standard packaging style	Lead length (mm)	P ₂ (mm)	Taping style		Ordering code (Digit 10 to 11)
			Fig. (No.)	Pitch (mm)	
AMMO-PACK		12.70	2	10.0/15.0	DQ
AMMO-PACK		19.05	3	22.5	DQ
REEL Ø 355mm		12.70	2	10.0/15.0	GY
REEL Ø 500mm		12.70	2	10.0/15.0	CK
REEL Ø 500mm		19.05	3	22.5/27.5	CK
Loose, short leads	4 ⁺²				AA
Loose, long leads (p≥15mm)	30 ⁺⁵ 25 ^{-2/-1}				40 50

Note: Ammo-pack is the preferred packaging for taped version

METALLIZED POLYPROPYLENE FILM CAPACITOR

PRODUCT CODE: R71

Rated Cap.	630Vdc/275Vac* Std dimensions				Ø d (mm)	Max dv/dt (V/µs)	Max K ₀ (V ² /µs)	Part Number
	B	H	L	p				
0.010 µF	4.0	9.0	13.0	10.0	0.6	400	504 E3	R71PF 2100-3-
0.015 µF	4.0	9.0	13.0	10.0	0.6	400	504 E3	R71PF 2150-3-
0.022 µF	4.0	9.0	13.0	10.0	0.6	400	504 E3	R71PF 2220-3-
0.033 µF	5.0	11.0	13.0	10.0	0.6	400	504 E3	R71PF 2330-0-
0.047 µF	5.0	11.0	13.0	10.0	0.6	400	504 E3	R71PF 2470-3-
0.068 µF	6.0	12.0	13.0	10.0	0.6	400	504 E3	R71PF 2680-3-
0.1 µF	6.0	12.0	13.0	10.0	0.6	400	504 E3	R71PF 3100-3-M
0.010 µF	5.0	11.0	18.0	15.0	0.6	250	315 E3	R71PI 2100-0-
0.015 µF	5.0	11.0	18.0	15.0	0.6	250	315 E3	R71PI 2150-0-
0.022 µF	5.0	11.0	18.0	15.0	0.6	250	315 E3	R71PI 2220-0-
0.033 µF	5.0	11.0	18.0	15.0	0.6	250	315 E3	R71PI 2330-0-
0.047 µF	5.0	11.0	18.0	15.0	0.6	250	315 E3	R71PI 2470-0-
0.068 µF	5.0	11.0	18.0	15.0	0.6	250	315 E3	R71PI 2680-0-
0.10 µF	5.0	11.0	18.0	15.0	0.6	250	315 E3	R71PI 3100-3-
0.15 µF	6.0	12.0	18.0	15.0	0.6	250	315 E3	R71PI 3150-3-
0.15 µF	6.0	17.5	18.0	15.0	0.6	250	315 E3	R71PI 3150-4-
0.22 µF	7.5	13.5	18.0	15.0	0.6	250	315 E3	R71PI 3220-3-
0.22 µF	6.0	17.5	18.0	15.0	0.6	250	315 E3	R71PI 3220-1-
0.22 µF	9.0	12.5	18.0	15.0	0.6	250	315 E3	R71PI 3220-2-
0.33 µF	8.5	14.5	18.0	15.0	0.6	250	315 E3	R71PI 3330-3-
0.33 µF	7.5	18.5	18.0	15.0	0.8	250	315 E3	R71PI 3330-1-
0.33 µF	9.0	12.5	18.0	15.0	0.6	250	315 E3	R71PI 3330-4-M
0.33 µF	13.0	12.0	18.0	15.0	0.8	250	315 E3	R71PI 3330-2-
0.47 µF	7.5	18.5	18.0	15.0	0.8	250	315 E3	R71PI 3470-4-M
0.47 µF	10.0	16.0	18.0	15.0	0.8	250	315 E3	R71PI 3470-3-M
0.68 µF	11.0	19.0	18.0	15.0	0.8	250	315 E3	R71PI 3680-3-M
0.15 µF	6.0	15.0	26.5	22.5	0.8	160	202 E3	R71PN 3150-0-
0.22 µF	6.0	15.0	26.5	22.5	0.8	160	202 E3	R71PN 3220-0-
0.33 µF	6.0	15.0	26.5	22.5	0.8	160	202 E3	R71PN 3330-3-
0.47 µF	7.0	16.0	26.5	22.5	0.8	160	202 E3	R71PN 3470-3-
0.68 µF	10.0	18.5	26.5	22.5	0.8	160	202 E3	R71PN 3680-3-
1.0 µF	10.0	18.5	26.5	22.5	0.8	160	202 E3	R71PN 4100-4-M
1.0 µF	11.0	20.0	26.5	22.5	0.8	160	202 E3	R71PN 4100-3-
0.68 µF	9.0	17.0	32.0	27.5	0.8	115	145 E3	R71PR 3680-0-
1.0 µF	11.0	20.0	32.0	27.5	0.8	115	145 E3	R71PR 4100-0-
1.5 µF	13.0	22.0	32.0	27.5	0.8	115	145 E3	R71PR 4150-0-
2.2 µF	14.0	28.0	32.0	27.5	0.8	115	145 E3	R71PR 4220-0-
3.3 µF	18.0	33.0	32.0	27.5	0.8	115	145 E3	R71PR 4330-0-
4.7 µF	22.0	37.0	32.0	27.5	0.8	115	145 E3	R71PR 4470-0-
1.5 µF	11.0	22.0	41.5	37.5	1.0	80	100 E3	R71PW 4150-0-
2.2 µF	13.0	24.0	41.5	37.5	1.0	80	100 E3	R71PW 4220-0-
3.3 µF	16.0	28.5	41.5	37.5	1.0	80	100 E3	R71PW 4330-0-
4.7 µF	19.0	32.0	41.5	37.5	1.0	80	100 E3	R71PW 4470-0-
6.8 µF	20.0	40.0	41.5	37.5	1.0	80	100 E3	R71PW 4680-0-
10.0 µF	24.0	44.0	41.5	37.5	1.0	80	100 E3	R71PW 5100-0-
15.0 µF	30.0	45.0	41.5	37.5	1.0	80	100 E3	R71PW 5150-0-

Rated Cap.	1000Vdc/275Vac* Std dimensions				Ø d (mm)	Max dv/dt (V/µs)	Max K ₀ (V ² /µs)	Part Number
	B	H	L	p				
0.22 µF	9.0	17.0	32.0	27.5	0.8	180	360 E3	R71QR3220-0-
0.27 µF	9.0	17.0	32.0	27.5	0.8	180	360 E3	R71QR3270-0-
0.33 µF	9.0	17.0	32.0	27.5	0.8	180	360 E3	R71QR3330-1-
0.33 µF	11.0	20.0	32.0	27.5	0.8	180	360 E3	R71QR3330-0-
0.39 µF	9.0	17.0	32.0	27.5	0.8	180	360 E3	R71QR3390-1-
0.39 µF	11.0	20.0	32.0	27.5	0.8	180	360 E3	R71QR3390-0-
0.47 µF	9.0	17.0	32.0	27.5	0.8	180	360 E3	R71QR3470-1-
0.47 µF	13.0	22.0	32.0	27.5	0.8	180	360 E3	R71QR3470-0-
0.56 µF	9.0	17.0	32.0	27.5	0.8	180	360 E3	R71QR3560-1-
0.56 µF	13.0	22.0	32.0	27.5	0.8	180	360 E3	R71QR3560-0-
0.68 µF	11.0	20.0	32.0	27.5	0.8	180	360 E3	R71QR3680-1-
0.68 µF	14.0	28.0	32.0	27.5	0.8	180	360 E3	R71QR3680-0-
0.82 µF	11.0	20.0	32.0	27.5	0.8	180	360 E3	R71QR3820-1-
0.82 µF	14.0	28.0	32.0	27.5	0.8	180	360 E3	R71QR3820-0-
1.0 µF	13.0	22.0	32.0	27.5	0.8	180	360 E3	R71QR4100-1-
1.0 µF	18.0	33.0	32.0	27.5	0.8	180	360 E3	R71QR4100-0-
1.2 µF	13.0	25.0	32.0	27.5	0.8	180	360 E3	R71QR4120-1-
1.2 µF	18.0	33.0	32.0	27.5	0.8	180	360 E3	R71QR4120-0-
1.5 µF	14.0	28.0	32.0	27.5	0.8	180	360 E3	R71QR4150-1-
1.5 µF	18.0	33.0	32.0	27.5	0.8	180	360 E3	R71QR4150-0-
1.8 µF	14.0	28.0	32.0	27.5	0.8	180	360 E3	R71QR4180-1-
1.8 µF	22.0	37.0	32.0	27.5	0.8	180	360 E3	R71QR4180-0-
2.2 µF	18.0	33.0	32.0	27.5	0.8	180	360 E3	R71QR4220-1-
2.2 µF	22.0	37.0	32.0	27.5	0.8	180	360 E3	R71QR4220-0-
2.7 µF	18.0	33.0	32.0	27.5	0.8	180	360 E3	R71QR4270-1-
3.3 µF	22.0	37.0	32.0	27.5	0.8	180	360 E3	R71QR4330-1-
3.9 µF	22.0	37.0	32.0	27.5	0.8	180	360 E3	R71QR4390-1-
0.68 µF	11.0	22.0	41.5	37.5	1.0	150	300 E3	R71QW3680-0-
0.82 µF	13.0	24.0	41.5	37.5	1.0	150	300 E3	R71QW3820-0-
1.0 µF	11.0	22.0	41.5	37.5	1.0	150	300 E3	R71QW4100-1-
1.0 µF	13.0	24.0	41.5	37.5	1.0	150	300 E3	R71QW4100-0-
1.2 µF	11.0	22.0	41.5	37.5	1.0	150	300 E3	R71QW4120-1-
1.2 µF	16.0	28.5	41.5	37.5	1.0	150	300 E3	R71QW4120-0-
1.5 µF	11.0	22.0	41.5	37.5	1.0	150	300 E3	R71QW4150-1-
1.5 µF	16.0	28.5	41.5	37.5	1.0	150	300 E3	R71QW4150-0-
1.8 µF	13.0	24.0	41.5	37.5	1.0	150	300 E3	R71QW4180-1-
1.8 µF	19.0	32.0	41.5	37.5	1.0	150	300 E3	R71QW4180-0-
2.2 µF	16.0	28.5	41.5	37.5	1.0	120	240 E3	R71QW4220-1-
2.2 µF	19.0	32.0	41.5	37.5	1.0	120	240 E3	R71QW4220-0-
2.7 µF	16.0	28.5	41.5	37.5	1.0	120	240 E3	R71QW4270-1-
2.7 µF	20.0	40.0	41.5	37.5	1.0	120	240 E3	R71QW4270-0-
3.3 µF	19.0	32.0	41.5	37.5	1.0	120	240 E3	R71QW4330-1-
3.3 µF	24.0	44.0	41.5	37.5	1.0	120	240 E3	R71QW4330-0-
3.9 µF	19.0	32.0	41.5	37.5	1.0	120	240 E3	R71QW4390-1-
3.9 µF	24.0	44.0	41.5	37.5	1.0	120	240 E3	R71QW4390-0-
4.7 µF	20.0	40.0	41.5	37.5	1.0	80	160 E3	R71QW4470-1-
4.7 µF	24.0	44.0	41.5	37.5	1.0	80	160 E3	R71QW4470-0-
5.6 µF	20.0	40.0	41.5	37.5	1.0	80	160 E3	R71QW4560-1-
5.6 µF	30.0	45.0	41.5	37.5	1.0	80	160 E3	R71QW4560-0-
6.8 µF	24.0	44.0	41.5	37.5	1.0	80	160 E3	R71QW4680-1-
8.2 µF	24.0	44.0	41.5	37.5	1.0	80	160 E3	R71QW4820-1-
10.0 µF	30.0	45.0	41.5	37.5	1.0	80	160 E3	R71QW5100-1-

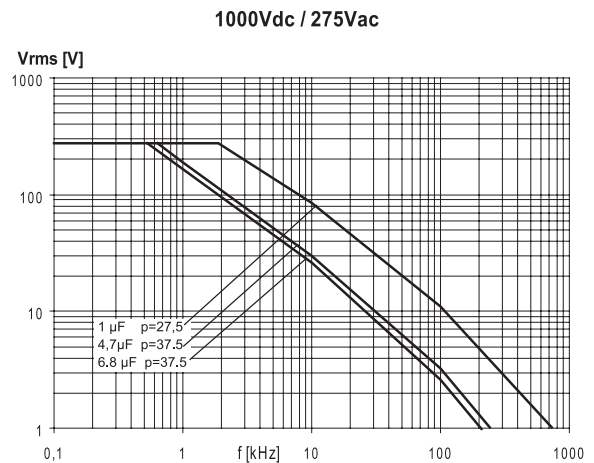
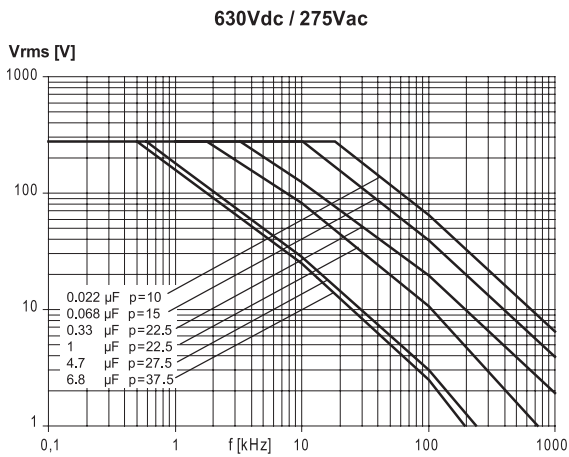
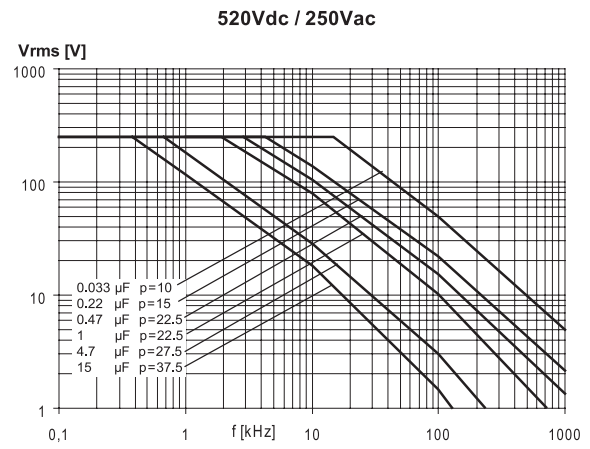
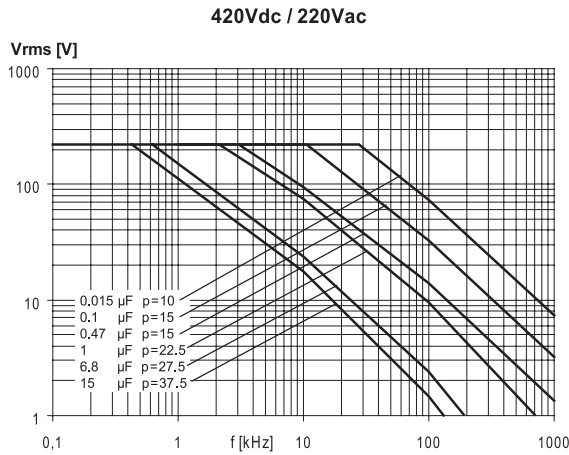
Mechanical version and packaging (table 1) _____
 Internal use _____
 Tolerance: K (±10%); M (±20%) _____
 All dimensions are in mm.

Mechanical version and packaging (Table1) _____
 Internal use _____
 Tolerance: J (±5%); K (±10%); M (±20%) _____

Note: If the working voltage (V) is lower than the rated voltage (V_R), the capacitors may work at higher dv/dt. In this case the maximum value allowed is obtained multiplying the above value (see table dv/dt) with the ratio V_R/V.
 The pulse characteristics K₀ depends on the voltage waveform and in any case it cannot overcome the value given in the above table.
 * Not suitable for across-the-line applications. Please refer to Interference Suppression Capacitors at page 145.

METALLIZED POLYPROPYLENE FILM CAPACITOR

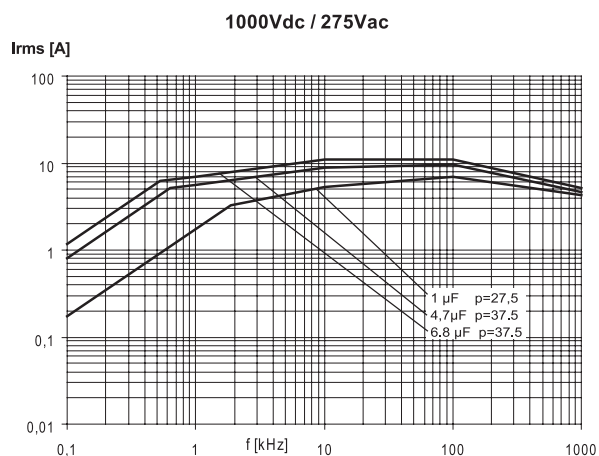
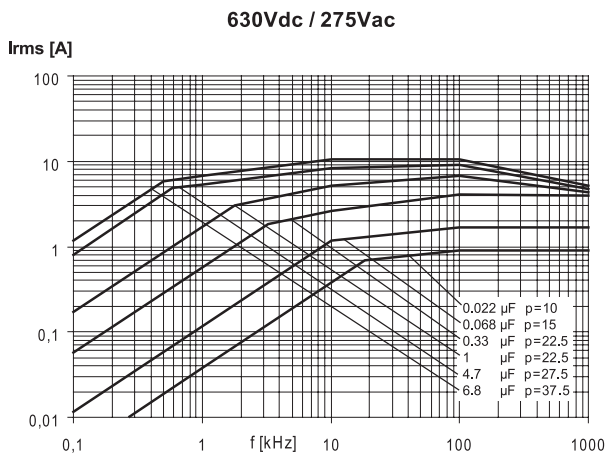
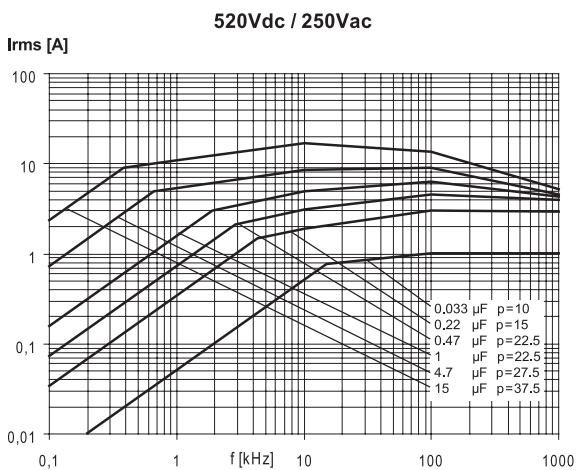
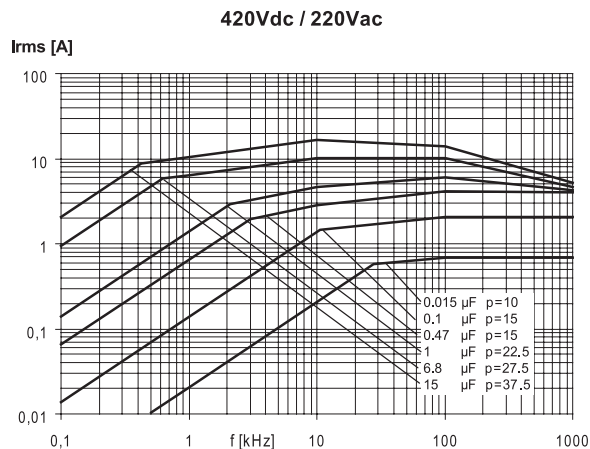
MAX. VOLTAGE (Vr.m.s.) VERSUS FREQUENCY (sinusoidal wave-form / Th ≤ 40°C)



Note: p (pitch) in mm.

METALLIZED POLYPROPYLENE FILM CAPACITOR

MAX. CURRENT (I_{r.m.s.}) VERSUS FREQUENCY (sinusoidal wave-form / Th ≤ 40°C)



Note: p (pitch) in mm.