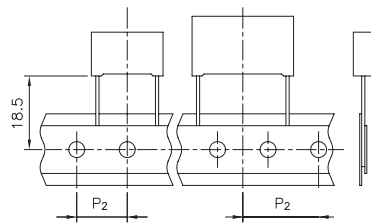
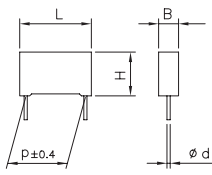


Taped

Fig.1 Fig.2



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

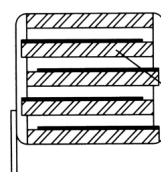
Solder bath temperature: +260°C ±5°C

Dipping time (with heat screen): 10 s ±1 s

Performance

Capacitance change |ΔC/C|: ≤2%

Winding scheme



single sided metallized polypropylene film

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	R71MW4330--0--	
4.7 µF	16.0	28.5	41.5	37.5	1.0	60	50 E3	R71MW4470--0--	
6.8 µF	19.0	32.0	41.5	37.5	1.0	60	50 E3	R71MW4680--0--	
10.0 µF	20.0	40.0	41.5	37.5	1.0	60	50 E3	R71MW5100--0--	
15.0 µF	24.0	44.0	41.5	37.5	1.0	60	50 E3	R71MW5150--0--	
22.0 µF	30.0	45.0	41.5	37.5	1.0	60	50 E3	R71MW5220--0--	

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

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%) _____

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.

Table 1

Standard packaging style	Lead length (mm)	Taping style		Ordering code (Digit 10 to 11)
		P ₂ (mm)	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	R71QR4360-1--
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.

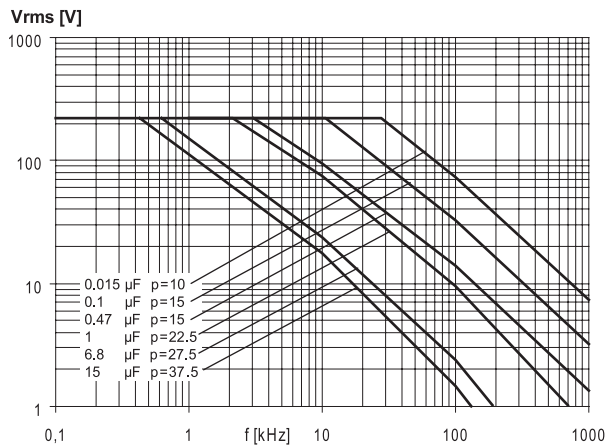
Mechanical version and packaging (Table 1) _____
 Internal use _____
 Tolerance: J (±5%); K (±10%); M (±20%) _____

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.

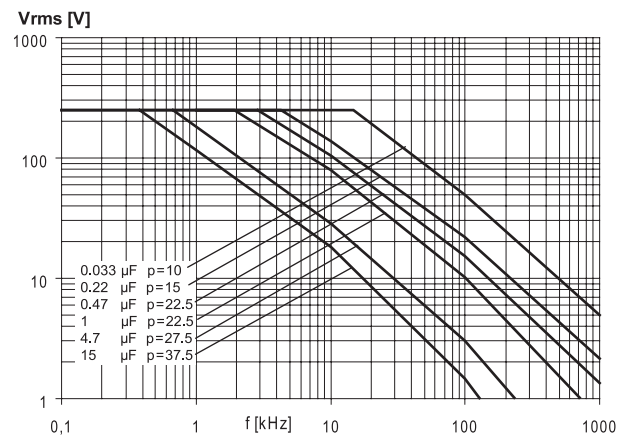
METALLIZED POLYPROPYLENE FILM CAPACITOR

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

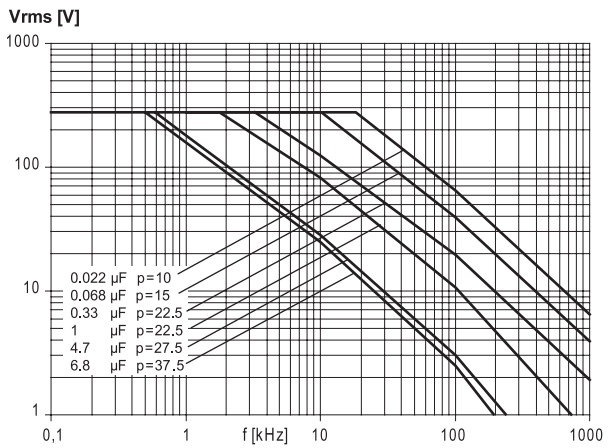
420Vdc / 220Vac



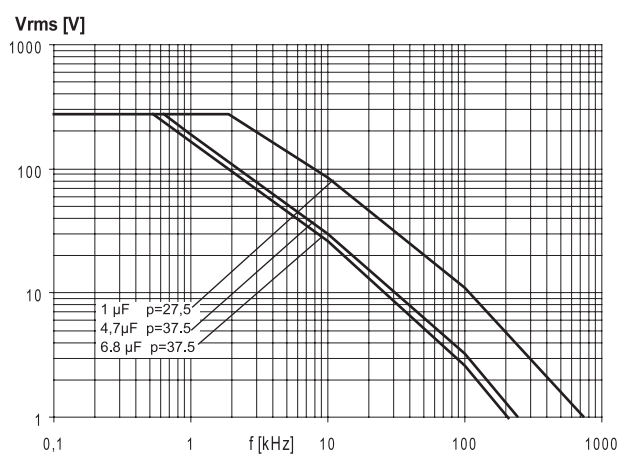
520Vdc / 250Vac



630Vdc / 275Vac



1000Vdc / 275Vac

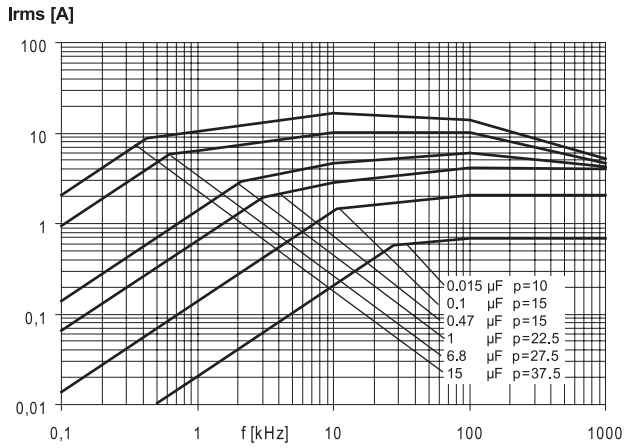


Note: p (pitch) in mm.

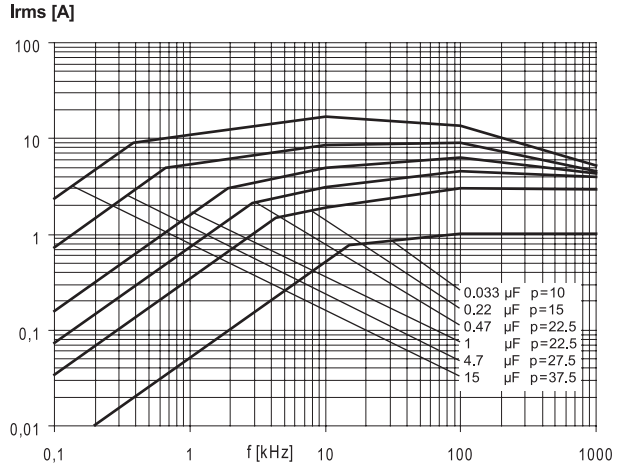
METALLIZED POLYPROPYLENE FILM CAPACITOR

MAX. CURRENT ($I_{r.m.s.}$) VERSUS FREQUENCY (sinusoidal wave-form / $T_h \leq 40^\circ\text{C}$)

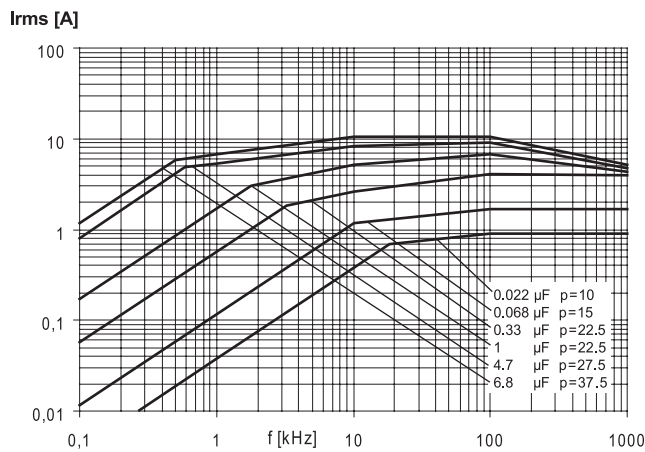
420Vdc / 220Vac



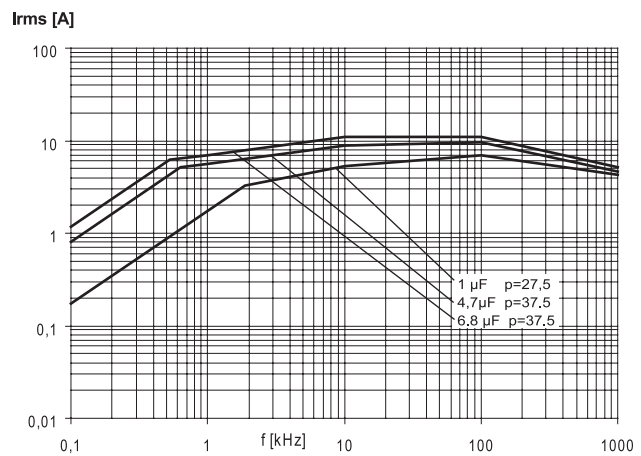
520Vdc / 250Vac



630Vdc / 275Vac



1000Vdc / 275Vac



Note: p (pitch) in mm.

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.