

Ød ±0.05	p = 10	p > 10
	0.6	0.8

All dimensions are in mm.

PRODUCT CODE SYSTEM

The part number, comprising 14 digits, is formed as follows:

1	2	3	4	5	6	7	8	9	10	11	12	13	14
R	6	0										-	

Digit 1 to 3 Series code.

Digit 4 d.c. rated voltage:

D = 63V E = 100V G = 160V I = 250V
M = 400V P = 630V Q = 1000V

Digit 5 Pitch:

F=10mm; I=15mm; N=22.5mm; R=27.5mm;
W=37.5mm

Digit 6 to 9 Digits 7 - 8 - 9 indicate the first three digits of Capacitance value and the 6th digit indicates the number of zeros that must be added to obtain the Rated Capacitance in pF.

Digit 10 to 11 Mechanical version and/or packaging (table 1)

Digit 12 Identifies the dimensions and electrical characteristics.

Digit 13 Internal use

Digit 14 Capacitance tolerance:
J=5%; K=10%; M=20%.

Table 1 (for more detailed information, please refer to page 14)

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	1	10.0/15.0	DQ
AMMO-PACK		19.05	2	22.5	DQ
REEL Ø 355mm		12.70	1	10.0/15.0	GY
REEL Ø 500mm		12.70	1	10.0/15.0	CK
REEL Ø 500mm		19.05	2	22.5/27.5	CK
Loose, short leads	4 ⁺²				AA
Loose, long leads (p=10mm)	17 ^{+1/-2}				Z3
Loose, long leads (p≥15mm)	30 ⁺⁵ 25 ^{+2/-1}				40 50

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

METALLIZED POLYESTER FILM CAPACITOR D.C. MULTIPURPOSE APPLICATIONS

Typical applications: blocking, coupling, decoupling, by-passing, interference suppression in low voltage applications (i.e.: AUTOMOTIVE).

PRODUCT CODE: R60

Note: Special version, in compliance with DIN 44122 is available upon request.

Construction:

- **STACKED technology for pitch 10mm (Rated Voltage from 63 to 630Vdc)**

- **WOUND technology from pitch 10 to 27.5mm (Rated Voltage from 63 to 1000Vdc)**

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

GENERAL TECHNICAL DATA

Dielectric: polyester film (polyethylene terephthalate).

Plates: aluminium 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, capacitance, tolerance, D.C. rated voltage.

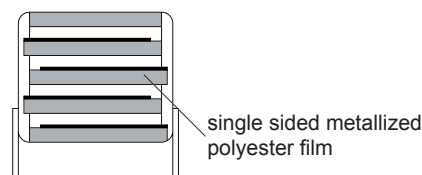
Climatic category: 55/105/56 IEC 60068-1

Operating temperature range: -55 to +105°C

For stacked technology an upper operating temperature of +125°C is allowed for a max. operating time of 1000h.

Related documents: IEC 60384-2

Winding scheme



**METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS**

PRODUCT CODE: R60

STACKED VERSION

Rated Cap.	63Vdc/40Vac Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number
	B	H	L	p			
1.0 μ F	4.0	9.0	13.0	10.0	50	6.3 E3	R60DF4100--6--
1.5 μ F	5.0	11.0	13.0	10.0	50	6.3 E3	R60DF4150--6--
2.2 μ F	5.0	11.0	13.0	10.0	50	6.3 E3	R60DF4220--6--
3.3 μ F	6.0	12.0	13.0	10.0	50	6.3 E3	R60DF4330--6--

Rated Cap.	100Vdc/63Vac Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number
	B	H	L	p			
0.33 μ F	4.0	9.0	13.0	10.0	75	15 E3	R60EF3330--6--
0.47 μ F	4.0	9.0	13.0	10.0	75	15 E3	R60EF3470--6--
0.68 μ F	4.0	9.0	13.0	10.0	75	15 E3	R60EF3680--6--
1.0 μ F	5.0	11.0	13.0	10.0	75	15 E3	R60EF4100--6--
1.5 μ F	5.0	11.0	13.0	10.0	75	15 E3	R60EF4150--6--

Rated Cap.	160Vdc/90Vac Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number
	B	H	L	p			
0.22 μ F	4.0	9.0	13.0	10.0	100	32 E3	R60GF3220--6--
0.33 μ F	4.0	9.0	13.0	10.0	100	32 E3	R60GF3330--6--
0.47 μ F	5.0	11.0	13.0	10.0	100	32 E3	R60GF3470--6--
0.68 μ F	6.0	12.0	13.0	10.0	100	32 E3	R60GF3680--6--

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

Rated Cap.	250Vdc/160Vac Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number
	B	H	L	p			
0.10 μ F	4.0	9.0	13.0	10.0	150	75 E3	R60IF3100--6--
0.15 μ F	4.0	9.0	13.0	10.0	150	75 E3	R60IF3150--6--
0.22 μ F	5.0	11.0	13.0	10.0	150	75 E3	R60IF3220--6--
0.33 μ F	5.0	11.0	13.0	10.0	150	75 E3	R60IF3330--6--
0.47 μ F	6.0	12.0	13.0	10.0	150	75 E3	R60IF3470--6--

Rated Cap.	400Vdc/200Vac Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number
	B	H	L	p			
0.033 μ F	4.0	9.0	13.0	10.0	175	140 E3	R60MF2330--6--
0.047 μ F	4.0	9.0	13.0	10.0	175	140 E3	R60MF2470--6--
0.068 μ F	4.0	9.0	13.0	10.0	175	140 E3	R60MF2680--6--
0.10 μ F	5.0	11.0	13.0	10.0	175	140 E3	R60MF3100--6--
0.15 μ F	6.0	12.0	13.0	10.0	175	140 E3	R60MF3150--6--

Rated Cap.	630Vdc/220*Vac Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number
	B	H	L	p			
0.010 μ F	4.0	9.0	13.0	10.0	200	250 E3	R60PF2100--6--
0.015 μ F	4.0	9.0	13.0	10.0	200	250 E3	R60PF2150--6--
0.022 μ F	4.0	9.0	13.0	10.0	200	250 E3	R60PF2220--6--
0.033 μ F	5.0	11.0	13.0	10.0	200	250 E3	R60PF2330--6--
0.047 μ F	5.0	11.0	13.0	10.0	200	250 E3	R60PF2470--6--

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

All dimensions are in mm.

Note: If the working voltage (V) is lower than the rated voltage (V_R), the capacitor 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 characteristic K_0 depends on the voltage wave-form 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 (page 167).

METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS

PRODUCT CODE: R60

WOUND VERSION

Table with 7 columns: Rated Cap., 63Vdc/40Vac Std dimensions (B, H, L, p), Max dv/dt (V/μs), Max K0 (V²/μs), and Part Number. Rows include various capacitor values from 0.68 μF to 220 μF.

Table with 7 columns: Rated Cap., 160Vdc/90Vac Std dimensions (B, H, L, p), Max dv/dt (V/μs), Max K0 (V²/μs), and Part Number. Rows include various capacitor values from 0.33 μF to 150 μF.

Table with 7 columns: Rated Cap., 100Vdc/63Vac Std dimensions (B, H, L, p), Max dv/dt (V/μs), Max K0 (V²/μs), and Part Number. Rows include various capacitor values from 0.33 μF to 150 μF.

Table with 7 columns: Rated Cap., 250Vdc/160Vac Std dimensions (B, H, L, p), Max dv/dt (V/μs), Max K0 (V²/μs), and Part Number. Rows include various capacitor values from 0.10 μF to 68 μF.

Mechanical version and packaging (Table1) Internal use Tolerance: J (±5%); 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 (VR), the capacitor 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 VR/V.

The pulse characteristic K0 depends on the voltage wave-form and in any case it cannot overcome the value given in the above table.

**METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS**

PRODUCT CODE: R60

WOUND VERSION

Rated Cap.	400Vdc/200Vac Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number	Rated Cap.	1000Vdc/250Vac* Std dimensions				Max dv/dt (V/ μ s)	Max K_0 (V^2/μ s)	Part Number
	B	H	L	p					B	H	L	p			
0.047 μ F	5.0	11.0	18.0	15.0	20.0	16.0 E3	R60MI 2470--3--	1000 pF	4.0	9.0	13.0	10.0	60	120 E3	R60QF 1100--0--
0.068 μ F	5.0	11.0	18.0	15.0	20.0	16.0 E3	R60MI 2680--3--	1500 pF	4.0	9.0	13.0	10.0	60	120 E3	R60QF 1150--0--
0.10 μ F	5.0	11.0	18.0	15.0	20.0	16.0 E3	R60MI 3100--3--	2200 pF	4.0	9.0	13.0	10.0	60	120 E3	R60QF 1220--0--
0.15 μ F	5.0	11.0	18.0	15.0	20.0	16.0 E3	R60MI 3150--3--	3300 pF	4.0	9.0	13.0	10.0	60	120 E3	R60QF 1330--0--
0.22 μ F	6.0	12.0	18.0	15.0	20.0	16.0 E3	R60MI 3220--3--	4700 pF	5.0	11.0	13.0	10.0	60	120 E3	R60QF 1470--0--
0.33 μ F	7.5	13.5	18.0	15.0	20.0	16.0 E3	R60MI 3330--3--	6800 pF	6.0	12.0	13.0	10.0	60	120 E3	R60QF 1680--0--
0.33 μ F	9.0	12.5	18.0	15.0	20.0	16.0 E3	R60MI 3330--L--	0.010 μ F	5.0	11.0	18.0	15.0	30	60 E3	R60QI 2100--0--
0.47 μ F	8.5	14.5	18.0	15.0	20.0	16.0 E3	R60MI 3470--3--	0.015 μ F	5.0	11.0	18.0	15.0	30	60 E3	R60QI 2150--3--
0.47 μ F	13.0	12.0	18.0	15.0	20.0	16.0 E3	R60MI 3470--L--	0.022 μ F	6.0	12.0	18.0	15.0	30	60 E3	R60QI 2220--3--
0.68 μ F	11.0	19.0	18.0	15.0	20.0	16.0 E3	R60MI 3680--3--	0.033 μ F	7.5	13.5	18.0	15.0	30	60 E3	R60QI 2330--3--
0.22 μ F	6.0	15.0	26.5	22.5	10.0	8.0 E3	R60MN3220--3--	0.033 μ F	9.0	12.5	18.0	15.0	30	60 E3	R60QI 2330--L--
0.33 μ F	6.0	15.0	26.5	22.5	10.0	8.0 E3	R60MN3330--3--	0.047 μ F	10.0	16.0	18.0	15.0	30	60 E3	R60QI 2470--0--
0.47 μ F	6.0	15.0	26.5	22.5	10.0	8.0 E3	R60MN3470--3--	0.047 μ F	13.0	12.0	18.0	15.0	30	60 E3	R60QI 2470--L--
0.68 μ F	7.0	16.0	26.5	22.5	10.0	8.0 E3	R60MN3680--3--	0.068 μ F	11.0	19.0	18.0	15.0	30	60 E3	R60QI 2680--0--
1.0 μ F	10.0	18.5	26.5	22.5	10.0	8.0 E3	R60MN4100--3--	0.033 μ F	6.0	15.0	26.5	22.5	15	30 E3	R60QN2330--0--
1.5 μ F	11.0	20.0	26.5	22.5	10.0	8.0 E3	R60MN4150--3--	0.047 μ F	6.0	15.0	26.5	22.5	15	30 E3	R60QN2470--0--
0.68 μ F	9.0	17.0	32.0	27.5	8.5	3.4 E3	R60MR3680--3--	0.068 μ F	7.0	16.0	26.5	22.5	15	30 E3	R60QN2680--3--
1.0 μ F	9.0	17.0	32.0	27.5	8.5	3.4 E3	R60MR4100--3--	0.10 μ F	8.5	17.0	26.5	22.5	15	30 E3	R60QN3100--3--
1.5 μ F	9.0	17.0	32.0	27.5	8.5	3.4 E3	R60MR4150--4--	0.15 μ F	13.0	22.0	26.5	22.5	15	30 E3	R60QN3150--0--
2.2 μ F	11.0	20.0	32.0	27.5	8.5	3.4 E3	R60MR4220--4--	0.15 μ F	9.0	17.0	32.0	27.5	12	24 E3	R60QR3150--3--
3.3 μ F	13.0	22.0	32.0	27.5	8.5	3.4 E3	R60MR4330--4--	0.22 μ F	9.0	17.0	32.0	27.5	12	24 E3	R60QR3220--4--
4.7 μ F	14.0	28.0	32.0	27.5	8.5	3.4 E3	R60MR4470--4--	0.33 μ F	11.0	20.0	32.0	27.5	12	24 E3	R60QR3330--4--
6.8 μ F	18.0	33.0	32.0	27.5	8.5	3.4 E3	R60MR4680--4--	0.47 μ F	13.0	22.0	32.0	27.5	12	24 E3	R60QR3470--4--
10.0 μ F	22.0	37.0	32.0	27.5	8.5	3.4 E3	R60MR5100--4--	0.68 μ F	14.0	28.0	32.0	27.5	12	24 E3	R60QR3680--4--
3.3 μ F	11.0	22.0	41.5	37.5	6.0	2.4 E3	R60MW4330--3--	1.00 μ F	18.0	33.0	32.0	27.5	12	24 E3	R60QR4100--4--
4.7 μ F	11.0	22.0	41.5	37.5	6.0	2.4 E3	R60MW4470--4--	1.50 μ F	22.0	37.0	32.0	27.5	12	24 E3	R60QR4150--4--
6.8 μ F	13.0	24.0	41.5	37.5	6.0	2.4 E3	R60MW4680--4--	0.47 μ F	11.0	22.0	41.5	37.5	10	20 E3	R60QW3470--3--
10.0 μ F	16.0	28.5	41.5	37.5	6.0	2.4 E3	R60MW5100--4--	0.68 μ F	11.0	22.0	41.5	37.5	10	20 E3	R60QW3680--4--
15.0 μ F	24.0	44.0	41.5	37.5	6.0	2.4 E3	R60MW5150--3--	1.00 μ F	13.0	24.0	41.5	37.5	10	20 E3	R60QW4100--4--
22.0 μ F	24.0	44.0	41.5	37.5	6.0	2.4 E3	R60MW5220--4--	1.50 μ F	16.0	28.5	41.5	37.5	10	20 E3	R60QW4150--4--
33.0 μ F	30.0	45.0	41.5	37.5	6.0	2.4 E3	R60MW5330--4--	2.20 μ F	19.0	32.0	41.5	37.5	10	20 E3	R60QW4220--3--
4700 pF	4.0	9.0	13.0	10.0	40	50 E3	R60PF 1470--3--	3.30 μ F	24.0	44.0	41.5	37.5	10	20 E3	R60QW4330--0--
6800 pF	4.0	9.0	13.0	10.0	40	50 E3	R60PF 1680--3--	4.70 μ F	30.0	45.0	41.5	37.5	10	20 E3	R60QW4470--4--
0.033 μ F	5.0	11.0	18.0	15.0	25	31 E3	R60PI 2330--3--	Mechanical version and packaging (Table1) _____							
0.047 μ F	5.0	11.0	18.0	15.0	25	31 E3	R60PI 2470--3--	Internal use _____							
0.068 μ F	6.0	12.0	18.0	15.0	25	31 E3	R60PI 2680--3--	Tolerance: J ($\pm 5\%$); K ($\pm 10\%$); M ($\pm 20\%$) _____							
0.10 μ F	7.5	13.5	18.0	15.0	25	31 E3	R60PI 3100--3--	All dimensions are in mm.							
0.15 μ F	8.5	14.5	18.0	15.0	25	31 E3	R60PI 3150--3--	Note 1: If the working voltage (V) is lower than the rated voltage (V_R), the capacitor 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 characteristic K_0 depends on the voltage wave-form and in any case it cannot overcome the value given in the above table.							
0.10 μ F	6.0	15.0	26.5	22.5	12	15 E3	R60PN3100--3--	Note 2: Rated voltages higher than 1000Vdc are available upon request.							
0.15 μ F	6.0	15.0	26.5	22.5	12	15 E3	R60PN3150--3--	* Not suitable for across-the-line applications. Please refer to Interference Suppression Capacitors (page 167).							
0.22 μ F	7.0	16.0	26.5	22.5	12	15 E3	R60PN3220--3--								
0.33 μ F	10.0	18.5	26.5	22.5	12	15 E3	R60PN3330--3--								
0.33 μ F	9.0	17.0	32.0	27.5	10	12 E3	R60PR3330--3--								
0.47 μ F	9.0	17.0	32.0	27.5	10	12 E3	R60PR3470--4--								
0.68 μ F	11.0	20.0	32.0	27.5	10	12 E3	R60PR3680--4--								
1.0 μ F	11.0	20.0	32.0	27.5	10	12 E3	R60PR4100--5--								
1.5 μ F	18.0	33.0	32.0	27.5	10	12 E3	R60PR4150--3--								
2.2 μ F	18.0	33.0	32.0	27.5	10	12 E3	R60PR4220--4--								
3.3 μ F	22.0	37.0	32.0	27.5	10	12 E3	R60PR4330--4--								
4.7 μ F	22.0	37.0	32.0	27.5	10	12 E3	R60PR4470--4--								
1.0 μ F	11.0	22.0	41.5	37.5	8	9.6 E3	R60PW4100--3--								
1.5 μ F	11.0	22.0	41.5	37.5	8	9.6 E3	R60PW4150--4--								
2.2 μ F	13.0	24.0	41.5	37.5	8	9.6 E3	R60PW4220--4--								
3.3 μ F	16.0	28.5	41.5	37.5	8	9.6 E3	R60PW4330--4--								
4.7 μ F	19.0	32.0	41.5	37.5	8	9.6 E3	R60PW4470--4--								
6.8 μ F	20.0	40.0	41.5	37.5	8	9.6 E3	R60PW4680--0--								
10.0 μ F	24.0	44.0	41.5	37.5	8	9.6 E3	R60PW5100--4--								

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

**METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS**

PRODUCT CODE: R60

ELECTRICAL CHARACTERISTICS**Rated voltage (V_R):** 63 Vdc -100 Vdc - 160 Vdc - 250 Vdc
400 Vdc - 630 Vdc-1000 Vdc .**Rated temperature (T_R):** +85°C**Temperature derated voltage:**for temperatures between +85°C and the upper operating temperature (+105°C for wound technology and +125°C for stacked technology) a decreasing factor of 1.25% per degree °C on the rated voltage V_R (d.c. and a.c.) has to be applied.**Capacitance range:** 1000pF to 220µF**Capacitance values:**

E6 series (IEC 60063 Norm).

Capacitance tolerances (measured at 1 kHz):

±5% (J); ±10% (K); ±20% (M).

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

Pitch (mm)	10	15	22.5	27.5	37.5
L(nH) ≈	9	10	18	18	22

Dissipation factor (DF):tgδ 10⁻⁴ at +25°C ±5°C

kHz	C≤1µF	C>1µF
1	≤100	≤100
10	≤150	

Insulation resistance:**Test conditions**

Temperature: +25°C±5°C

Voltage charge time: 1 min

Voltage charge: 50 Vdc for $V_R < 100$ Vdc
100 Vdc for $V_R ≥ 100$ Vdc**Performance****For $V_R ≤ 100$ Vdc**

≥3750 MΩ for C ≤0.33µF (50000 MΩ)*

≥1250 s for C >0.33µF (5000 s)*

For $V_R > 100$ Vdc

≥30000 MΩ for C ≤0.33µF (50000 MΩ)*

≥10000 s for C >0.33µF (17000 s)*

*Typical value

Test voltage between terminations:1.6x V_R applied for 2 s at +25°C±5°C**TEST METHOD AND PERFORMANCE****Damp heat, steady state:****Test conditions**

Temperature: +40°C±2°C

Relative humidity (RH): 93% ±2%

Test duration: 56 days

Performance

Capacitance change |ΔC/C|: ≤5%

DF change (Δtgδ): ≤50x10⁻⁴ at 1kHz

Insulation resistance: ≥50% of initial limit.

Endurance:**Test conditions**

Temperature: +105°C±2°C

Test duration: 2000 h

Voltage applied: 1.25x V_C **Performance**

Capacitance change |ΔC/C|: ≤5%

DF change (Δtgδ): ≤50x10⁻⁴ at 10kHz for C≤1µF≤30x10⁻⁴ at 1kHz for C>1µF

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%

DF change (Δtgδ): ≤50x10⁻⁴ at 10kHz for C≤1µF≤30x10⁻⁴ at 1kHz for C>1µF

Insulation resistance: ≥ initial limit.

Long term stability (after two years):**Storage:** standard environmental conditions (see page 12).**Performance**

Capacitance change |ΔC/C|: ≤3% for C ≤0.1µF

≤2% for C >0.1µF

RELIABILITY:

Reference MIL HDB 217

Application conditions:

Temperature: +40°C±2°C

Voltage: 0.5x V_R

Failure rate: ≤5 FIT

(1 FIT = 1x10⁻⁹ failures/componentsxh)**Failure criteria:**

Short or open circuit

Capacitance change |ΔC/C|: >10%

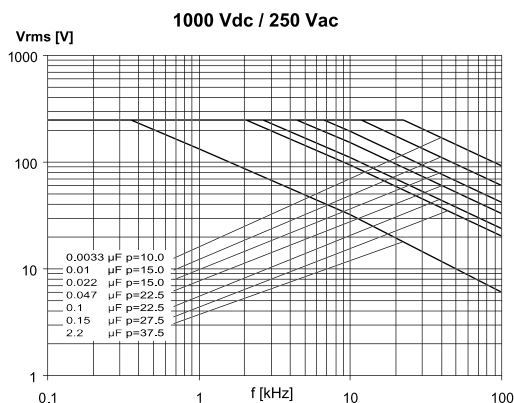
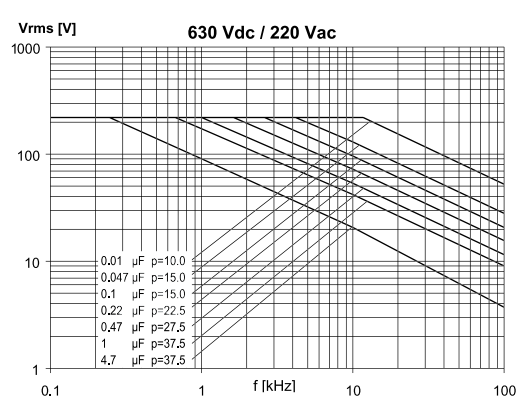
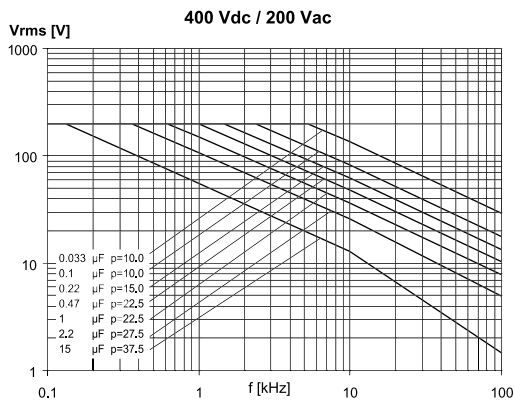
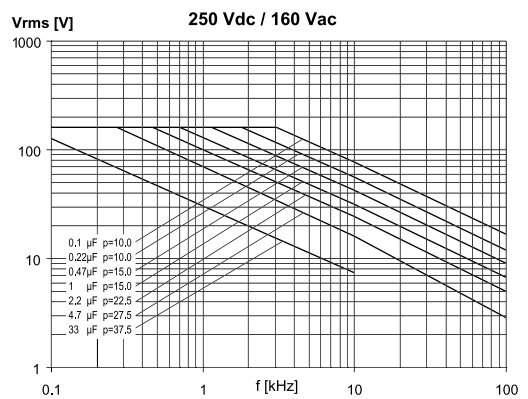
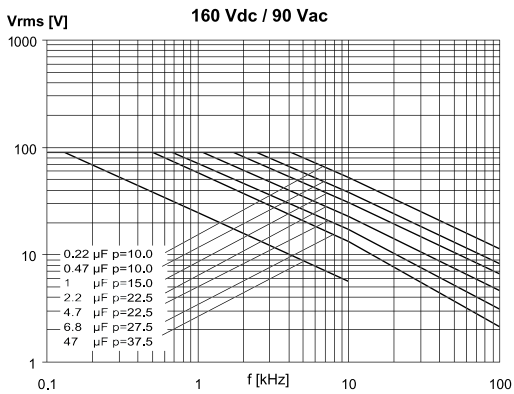
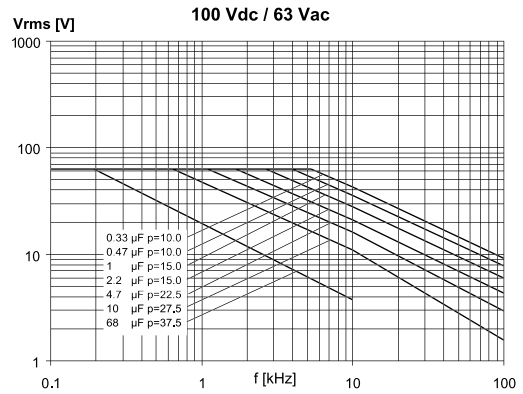
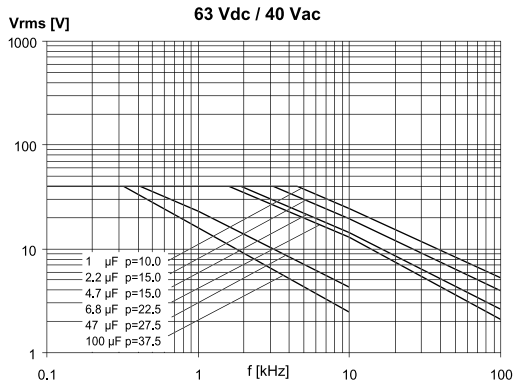
DF change (Δtgδ): >2xinitial limit.

Insulation resistance: <0.005xinitial limit.

**METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS**

PRODUCT CODE: **R60**

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

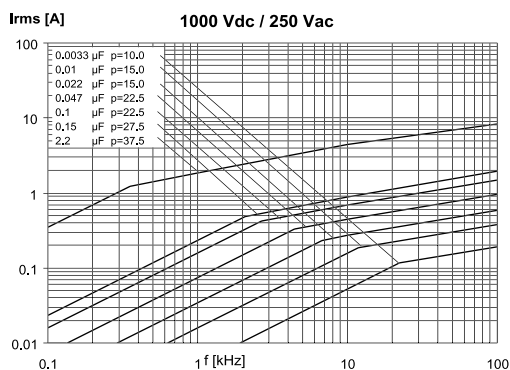
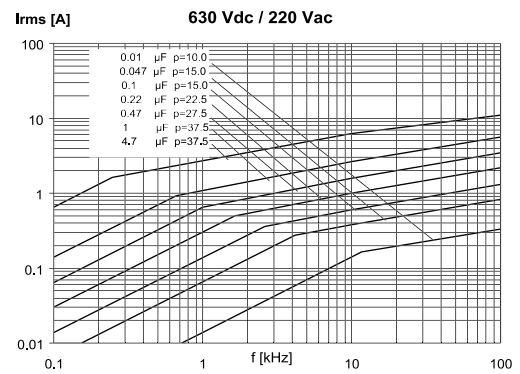
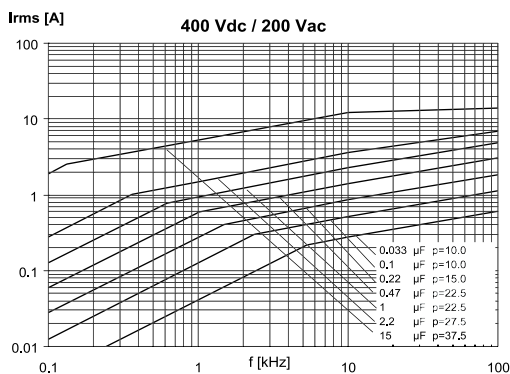
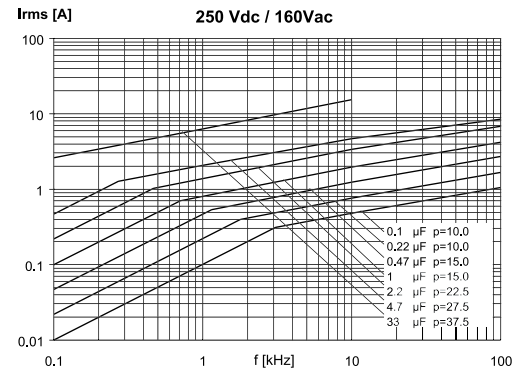
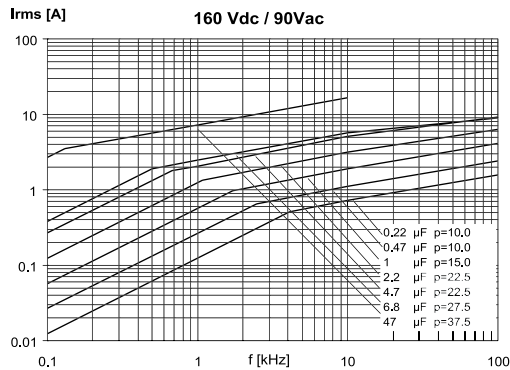
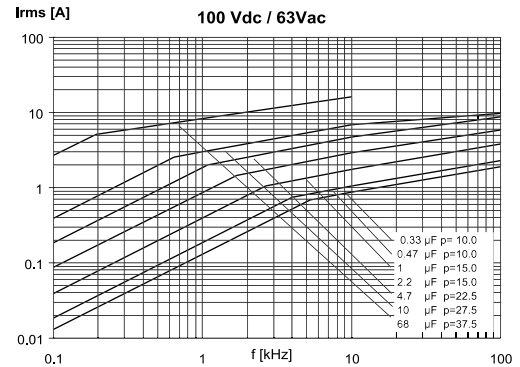
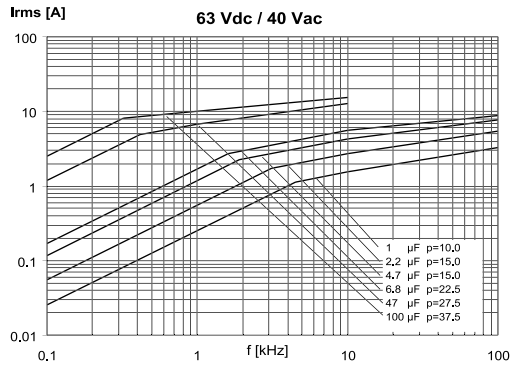


Note: p (pitch) in mm.

**METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS**

PRODUCT CODE: R60

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



Note: p (pitch) in mm.