

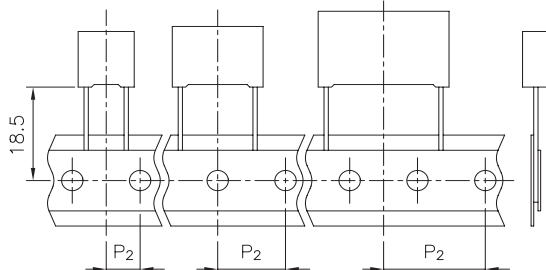
Fig. 1

Fig. 2

Fig. 3

Loose

Taped



Ød±0.05	P = 22.5 - 27.5	p = 37.5
	0.8	1.0

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
J	S	P										-	

Digit 1 to 3 Series code.

Digit 4 d.c. rated voltage:

D = 63Vdc E = 100Vdc G = 160Vdc
I = 250Vdc M = 400Vdc

Digit 5 Pitch:

N=22.5mm; R=27.5 mm; 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%

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: **JSP**

Pitch (mm)	Box thickness (mm)	Maximum dimensions (mm)		
		B max	H max	L max
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, series (JSP), capacitance, tolerance, D.C. rated voltage, manufacturing date code.

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

Operating temperature range: -55 to +125°C

Related documents: IEC 60384-2

single sided metallized polyester film

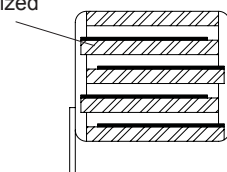


Table 1

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

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

PRODUCT CODE: JSP

Rated Cap.	63Vdc / 40Vac Std dimensions					Max dv/dt (V/μs)	Max K ₀ (V ² /μs)	Part Number
	B	H	L	p				
4.7 μF	7.0	16.0	26.5	22.5	25.0	3.15 E3		JSPDN 4470--0--
5.6 μF	7.0	16.0	26.5	22.5	25.0	3.15 E3		JSPDN 4560--0--
6.8 μF	7.0	16.0	26.5	22.5	25.0	3.15 E3		JSPDN 4680--0--
8.2 μF	7.0	16.0	26.5	22.5	25.0	3.15 E3		JSPDN 4820--0--
10 μF	7.0	16.0	26.5	22.5	25.0	3.15 E3		JSPDN 5100--0--
12 μF	7.0	16.0	26.5	22.5	25.0	3.15 E3		JSPDN 5120--0--
15 μF	7.0	16.0	26.5	22.5	25.0	3.15 E3		JSPDN 5150--0--
18 μF	8.5	17.0	26.5	22.5	25.0	3.15 E3		JSPDN 5180--0--
22 μF	8.5	17.0	26.5	22.5	25.0	3.15 E3		JSPDN 5220--0--
27 μF	11.0	20.0	26.5	22.5	25.0	3.15 E3		JSPDN 5270--0--
33 μF	11.0	20.0	26.5	22.5	25.0	3.15 E3		JSPDN 5330--0--
39 μF	13.0	22.0	26.5	22.5	25.0	3.15 E3		JSPDN 5390--0--
47 μF	13.0	22.0	26.5	22.5	25.0	3.15 E3		JSPDN 5470--0--
15 μF	9.0	17.0	32.0	27.5	20.0	2.52 E3		JSPDR 5150--0--
18 μF	9.0	17.0	32.0	27.5	20.0	2.52 E3		JSPDR 5180--0--
22 μF	9.0	17.0	32.0	27.5	20.0	2.52 E3		JSPDR 5220--0--
27 μF	9.0	17.0	32.0	27.5	20.0	2.52 E3		JSPDR 5270--0--
33 μF	11.0	20.0	32.0	27.5	20.0	2.52 E3		JSPDR 5330--0--
39 μF	11.0	20.0	32.0	27.5	20.0	2.52 E3		JSPDR 5390--0--
47 μF	13.0	25.0	32.0	27.5	20.0	2.52 E3		JSPDR 5470--0--
56 μF	13.0	25.0	32.0	27.5	20.0	2.52 E3		JSPDR 5560--0--
68 μF	14.0	28.0	32.0	27.5	20.0	2.52 E3		JSPDR 5680--0--
82 μF	14.0	28.0	32.0	27.5	20.0	2.52 E3		JSPDR 5820--0--
100 μF	18.0	33.0	32.0	27.5	20.0	2.52 E3		JSPDR 6100--0--
120 μF	18.0	33.0	32.0	27.5	20.0	2.52 E3		JSPDR 6120--0--
33 μF	11.0	22.0	41.5	37.5	15.0	1.89 E3		JSPDW5330--0--
39 μF	11.0	22.0	41.5	37.5	15.0	1.89 E3		JSPDW5390--0--
47 μF	11.0	22.0	41.5	37.5	15.0	1.89 E3		JSPDW5470--0--
56 μF	11.0	22.0	41.5	37.5	15.0	1.89 E3		JSPDW5560--0--
68 μF	13.0	24.0	41.5	37.5	15.0	1.89 E3		JSPDW5680--0--
82 μF	13.0	24.0	41.5	37.5	15.0	1.89 E3		JSPDW5820--0--
100 μF	16.0	28.5	41.5	37.5	15.0	1.89 E3		JSPDW6100--0--
120 μF	16.0	28.5	41.5	37.5	15.0	1.89 E3		JSPDW6120--0--
150 μF	19.0	32.0	41.5	37.5	15.0	1.89 E3		JSPDW6150--0--
180 μF	19.0	32.0	41.5	37.5	15.0	1.89 E3		JSPDW6180--0--
220 μF	20.0	40.0	41.5	37.5	15.0	1.89 E3		JSPDW6220--0--
270 μF	24.0	44.0	41.5	37.5	15.0	1.89 E3		JSPDW6270--0--
330 μF	24.0	44.0	41.5	37.5	15.0	1.89 E3		JSPDW6330--0--
390 μF	30.0	45.0	41.5	37.5	15.0	1.89 E3		JSPDW6390--0--
470 μF	30.0	45.0	41.5	37.5	15.0	1.89 E3		JSPDW6470--0--

Mechanical version and packaging (Table1)

Internal use

Tolerance: J (±5%); K (±10%); M (±20%)

Rated Cap.	100Vdc / 63Vac Std dimensions					Max dv/dt (V/μs)	Max K ₀ (V ² /μs)	Part Number
	B	H	L	p				
3.3 μF	7.0	16.0	26.5	22.5	27.0	5.4 E3		JSPEN 4330--0--
3.9 μF	7.0	16.0	26.5	22.5	27.0	5.4 E3		JSPEN 4390--0--
4.7 μF	7.0	16.0	26.5	22.5	27.0	5.4 E3		JSPEN 4470--0--
5.6 μF	7.0	16.0	26.5	22.5	27.0	5.4 E3		JSPEN 4560--0--
6.8 μF	7.0	16.0	26.5	22.5	27.0	5.4 E3		JSPEN 4680--0--
8.2 μF	7.0	16.0	26.5	22.5	27.0	5.4 E3		JSPEN 4820--0--
10 μF	8.5	17.0	26.5	22.5	27.0	5.4 E3		JSPEN 5100--0--
12 μF	8.5	17.0	26.5	22.5	27.0	5.4 E3		JSPEN 5120--0--
15 μF	8.5	17.0	26.5	22.5	27.0	5.4 E3		JSPEN 5150--0--
18 μF	11.0	20.0	26.5	22.5	27.0	5.4 E3		JSPEN 5180--0--
22 μF	11.0	20.0	26.5	22.5	27.0	5.4 E3		JSPEN 5220--0--
27 μF	13.0	22.0	26.5	22.5	27.0	5.4 E3		JSPEN 5270--0--
33 μF	13.0	22.0	26.5	22.5	27.0	5.4 E3		JSPEN 5330--0--
10 μF	9.0	17.0	32.0	27.5	22.0	4.4 E3		JSPER 5100--0--
12 μF	9.0	17.0	32.0	27.5	22.0	4.4 E3		JSPER 5120--0--
15 μF	9.0	17.0	32.0	27.5	22.0	4.4 E3		JSPER 5150--0--
18 μF	9.0	17.0	32.0	27.5	22.0	4.4 E3		JSPER 5180--0--
22 μF	11.0	20.0	32.0	27.5	22.0	4.4 E3		JSPER 5220--0--
27 μF	11.0	20.0	32.0	27.5	22.0	4.4 E3		JSPER 5270--0--
33 μF	13.0	25.0	32.0	27.5	22.0	4.4 E3		JSPER 5330--0--
39 μF	13.0	25.0	32.0	27.5	22.0	4.4 E3		JSPER 5390--0--
47 μF	14.0	28.0	32.0	27.5	22.0	4.4 E3		JSPER 5470--0--
56 μF	14.0	28.0	32.0	27.5	22.0	4.4 E3		JSPER 5560--0--
68 μF	18.0	33.0	32.0	27.5	22.0	4.4 E3		JSPER 5680--0--
82 μF	18.0	33.0	32.0	27.5	22.0	4.4 E3		JSPER 5820--0--
22 μF	11.0	22.0	41.5	37.5	17.0	3.4 E3		JSPEW5220--0--
27 μF	11.0	22.0	41.5	37.5	17.0	3.4 E3		JSPEW5270--0--
33 μF	11.0	22.0	41.5	37.5	17.0	3.4 E3		JSPEW5330--0--
39 μF	11.0	22.0	41.5	37.5	17.0	3.4 E3		JSPEW5390--0--
47 μF	13.0	24.0	41.5	37.5	17.0	3.4 E3		JSPEW5470--0--
56 μF	13.0	24.0	41.5	37.5	17.0	3.4 E3		JSPEW5560--0--
68 μF	16.0	28.5	41.5	37.5	17.0	3.4 E3		JSPEW5680--0--
82 μF	16.0	28.5	41.5	37.5	17.0	3.4 E3		JSPEW5820--0--
100 μF	19.0	32.0	41.5	37.5	17.0	3.4 E3		JSPEW6100--0--
120 μF	19.0	32.0	41.5	37.5	17.0	3.4 E3		JSPEW6120--0--
150 μF	20.0	40.0	41.5	37.5	17.0	3.4 E3		JSPEW6150--0--
180 μF	24.0	44.0	41.5	37.5	17.0	3.4 E3		JSPEW6180--0--
220 μF	30.0	45.0	41.5	37.5	17.0	3.4 E3		JSPEW6220--0--

Mechanical version and packaging (Table1)

Internal use

Tolerance: J (±5%); K (±10%); M (±20%)

All dimensions are mm.

METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS

PRODUCT CODE: JSP

Rated Cap.	160Vdc / 90Vac Std dimensions					Max dv/dt (V/μs)	Max K ₀ (V ² /μs)	Part Number
	B	H	L	p				
2.2 μF	7.0	16.0	26.5	22.5	35.0	11.2 E3		JSP GN4220-0--
2.7 μF	7.0	16.0	26.5	22.5	35.0	11.2 E3		JSP GN4270-0--
3.3 μF	7.0	16.0	26.5	22.5	35.0	11.2 E3		JSP GN4330-0--
3.9 μF	7.0	16.0	26.5	22.5	35.0	11.2 E3		JSP GN4390-0--
4.7 μF	8.5	17.0	26.5	22.5	35.0	11.2 E3		JSP GN4470-0--
5.6 μF	8.5	17.0	26.5	22.5	35.0	11.2 E3		JSP GN4560-0--
6.8 μF	11.0	20.0	26.5	22.5	35.0	11.2 E3		JSP GN4680-0--
8.2 μF	11.0	20.0	26.5	22.5	35.0	11.2 E3		JSP GN4820-0--
10 μF	13.0	22.0	26.5	22.5	35.0	11.2 E3		JSP GN5100-0--
12 μF	13.0	22.0	26.5	22.5	35.0	11.2 E3		JSP GN5120-0--
3.3 μF	9.0	17.0	32.0	27.5	30.0	9.6 E3		JSP GR4330-0--
3.9 μF	9.0	17.0	32.0	27.5	30.0	9.6 E3		JSP GR4390-0--
4.7 μF	9.0	17.0	32.0	27.5	30.0	9.6 E3		JSP GR4470-0--
5.6 μF	9.0	17.0	32.0	27.5	30.0	9.6 E3		JSP GR4560-0--
6.8 μF	9.0	17.0	32.0	27.5	30.0	9.6 E3		JSP GR4680-0--
8.2 μF	11.0	20.0	32.0	27.5	30.0	9.6 E3		JSP GR4820-0--
10 μF	11.0	20.0	32.0	27.5	30.0	9.6 E3		JSP GR5100-0--
12 μF	13.0	25.0	32.0	27.5	30.0	9.6 E3		JSP GR5120-0--
15 μF	13.0	25.0	32.0	27.5	30.0	9.6 E3		JSP GR5150-0--
18 μF	14.0	28.0	32.0	27.5	30.0	9.6 E3		JSP GR5180-0--
22 μF	18.0	33.0	32.0	27.5	30.0	9.6 E3		JSP GR5220-0--
27 μF	18.0	33.0	32.0	27.5	30.0	9.6 E3		JSP GR5270-0--
10 μF	11.0	22.0	41.5	37.5	25.0	8.0 E3		JSPGW5100-0--
12 μF	11.0	22.0	41.5	37.5	25.0	8.0 E3		JSPGW5120-0--
15 μF	11.0	22.0	41.5	37.5	25.0	8.0 E3		JSPGW5150-0--
18 μF	13.0	24.0	41.5	37.5	25.0	8.0 E3		JSPGW5180-0--
22 μF	16.0	28.5	41.5	37.5	25.0	8.0 E3		JSPGW5220-0--
27 μF	16.0	28.5	41.5	37.5	25.0	8.0 E3		JSPGW5270-0--
33 μF	19.0	32.0	41.5	37.5	25.0	8.0 E3		JSPGW5330-0--
39 μF	19.0	32.0	41.5	37.5	25.0	8.0 E3		JSPGW5390-0--
47 μF	20.0	40.0	41.5	37.5	25.0	8.0 E3		JSPGW5470-0--
56 μF	20.0	40.0	41.5	37.5	25.0	8.0 E3		JSPGW5560-0--
68 μF	24.0	44.0	41.5	37.5	25.0	8.0 E3		JSPGW5680-0--
82 μF	24.0	44.0	41.5	37.5	25.0	8.0 E3		JSPGW5820-0--
100 μF	30.0	45.0	41.5	37.5	25.0	8.0 E3		JSPGW6100-0--

Mechanical version and packaging (Table1)

Internal use

Tolerance: J (±5%); K (±10%); M (±20%)

Rated Cap.	250Vdc / 160Vac Std dimensions					Max dv/dt (V/μs)	Max K ₀ (V ² /μs)	Part Number
	B	H	L	p				
1.0 μF	7.0	16.0	26.5	22.5	40.0	20.0 E3		JSP IN4100-0--
1.2 μF	7.0	16.0	26.5	22.5	40.0	20.0 E3		JSP IN4120-0--
1.5 μF	7.0	16.0	26.5	22.5	40.0	20.0 E3		JSP IN4150-0--
1.8 μF	7.0	16.0	26.5	22.5	40.0	20.0 E3		JSP IN4180-0--
2.2 μF	7.0	16.0	26.5	22.5	40.0	20.0 E3		JSP IN4220-0--
2.7 μF	8.5	17.0	26.5	22.5	40.0	20.0 E3		JSP IN4270-0--
3.3 μF	8.5	17.0	26.5	22.5	40.0	20.0 E3		JSP IN4330-0--
3.9 μF	11.0	20.0	26.5	22.5	40.0	20.0 E3		JSP IN4390-0--
4.7 μF	11.0	20.0	26.5	22.5	40.0	20.0 E3		JSP IN4470-0--
5.6 μF	13.0	22.0	26.5	22.5	40.0	20.0 E3		JSP IN4560-0--
6.8 μF	13.0	22.0	26.5	22.5	40.0	20.0 E3		JSP IN4680-0--
2.2 μF	9.0	17.0	32.0	27.5	35.0	17.5 E3		JSP IR4220-0--
2.7 μF	9.0	17.0	32.0	27.5	35.0	17.5 E3		JSP IR4270-0--
3.3 μF	9.0	17.0	32.0	27.5	35.0	17.5 E3		JSP IR4330-0--
3.9 μF	9.0	17.0	32.0	27.5	35.0	17.5 E3		JSP IR4390-0--
4.7 μF	11.0	20.0	32.0	27.5	35.0	17.5 E3		JSP IR4470-0--
5.6 μF	11.0	20.0	32.0	27.5	35.0	17.5 E3		JSP IR4560-0--
6.8 μF	13.0	25.0	32.0	27.5	35.0	17.5 E3		JSP IR4680-0--
8.2 μF	13.0	25.0	32.0	27.5	35.0	17.5 E3		JSP IR4820-0--
10 μF	14.0	28.0	32.0	27.5	35.0	17.5 E3		JSP IR5100-0--
12 μF	18.0	33.0	32.0	27.5	35.0	17.5 E3		JSP IR5120-0--
15 μF	18.0	33.0	32.0	27.5	35.0	17.5 E3		JSP IR5150-0--
18 μF	18.0	33.0	32.0	27.5	25.0	17.5 E3		JSP IR5180-0--
5.6 μF	11.0	22.0	41.5	37.5	30.0	15.0 E3		JSPIW4560-0--
6.8 μF	11.0	22.0	41.5	37.5	30.0	15.0 E3		JSPIW4680-0--
8.2 μF	11.0	22.0	41.5	37.5	30.0	15.0 E3		JSPIW4820-0--
10 μF	13.0	24.0	41.5	37.5	30.0	15.0 E3		JSPIW5100-0--
12 μF	13.0	24.0	41.5	37.5	30.0	15.0 E3		JSPIW5120-0--
15 μF	16.0	28.5	41.5	37.5	30.0	15.0 E3		JSPIW5150-0--
18 μF	16.0	28.5	41.5	37.5	30.0	15.0 E3		JSPIW5180-0--
22 μF	19.0	32.0	41.5	37.5	30.0	15.0 E3		JSPIW5220-0--
27 μF	19.0	32.0	41.5	37.5	30.0	15.0 E3		JSPIW5270-0--
33 μF	20.0	40.0	41.5	37.5	30.0	15.0 E3		JSPIW5330-0--
39 μF	24.0	44.0	41.5	37.5	30.0	15.0 E3		JSPIW5390-0--
47 μF	30.0	45.0	41.5	37.5	30.0	15.0 E3		JSPIW5470-0--
56 μF	30.0	45.0	41.5	37.5	30.0	15.0 E3		JSPIW5560-0--

Mechanical version and packaging (Table1)

Internal use

Tolerance: J (±5%); K (±10%); M (±20%)

All dimensions are mm.

ELECTRICAL CHARACTERISTICS**Rated voltage (V_R):**

63Vdc - 100Vdc - 160Vdc - 250Vdc

Rated temperature (T_R): +85°C**Temperature derated voltage:**

for temperatures between +85°C and the upper operating temperature 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: 1.0 μ F to 470 μ F.**Capacitance values:**

E12 series (IEC 60063 Norm).

Capacitance tolerances (measured at 1 kHz): $\pm 5\%$ (J); $\pm 10\%$ (K); $\pm 20\%$ (M).**Total self-inductance (L):** (Lead length ~2 mm)

Pitch (mm)	22.5	27.5	37.5
L (nH) $\approx$	18	18	22

Dissipation factor (DF): $\text{tg}\delta \times 10^{-4}$ at +25°C $\pm 5^\circ\text{C}$

kHz	C $\leq 0.1\mu\text{F}$	C $> 1\mu\text{F}$
1	≤ 100	≤ 100
10	≤ 150	

Insulation resistance:**Test conditions**Temperature: +25°C $\pm 5^\circ\text{C}$

Voltage charge time: 1min

Voltage charge: 50Vdc for $V_R < 100\text{Vdc}$
100Vdc for $V_R \geq 100\text{Vdc}$

PerformanceFor $V_R \leq 100\text{Vdc}$ $\geq 3750 \text{ M}\Omega$ for $C \leq 0.33\mu\text{F}$ (50000 $\text{M}\Omega$)* $\geq 1250 \text{ s}$ for $C > 0.33\mu\text{F}$ (5000 s)*For $V_R > 100\text{Vdc}$ $\geq 30000 \text{ M}\Omega$ for $C \leq 0.33\mu\text{F}$ (50000 $\text{M}\Omega$)* $\geq 10000 \text{ s}$ for $C > 0.33\mu\text{F}$ (17000 s)*

* Typical value.

Test voltage between terminations:1.6x V_R applied for 2 s at +25°C $\pm 5^\circ\text{C}$ **METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS**

PRODUCT CODE: JSP

TEST METHOD AND PERFORMANCE**Damp heat, steady state:****Test conditions 1st**Temperature: +40°C $\pm 2^\circ\text{C}$ Relative humidity (RH): 93% $\pm 2\%$

Test duration: 56 days

PerformanceCapacitance change $|\Delta C/C|$: $\leq 5\%$ DF change ($\Delta \text{tg}\delta$): $\leq 50 \times 10^{-4}$ at 1kHzInsulation resistance: $\geq 50\%$ of initial limit.**Endurance:****Test conditions 1st**Temperature: +105°C $\pm 2^\circ\text{C}$

Test duration: 2000 h

Voltage applied: 1.25x V_R **Test conditions 2nd**Temperature: +125°C $\pm 2^\circ\text{C}$

Test duration: 1000 h

Voltage applied: 1.25x V_R **Performance**Capacitance change $|\Delta C/C|$: $\leq 5\%$

DF change ($\Delta \text{tg}\delta$): $\leq 50 \times 10^{-4}$ at 10kHz for $C \leq 1\mu\text{F}$
 $\leq 30 \times 10^{-4}$ at 1kHz for $C > 1\mu\text{F}$

Insulation resistance: $\geq 50\%$ of initial limit.**Resistance to soldering heat:****Test conditions**Solder bath temperature: +260°C $\pm 5^\circ\text{C}$ Dipping time (with heat screen): 10 s $\pm 1 \text{ s}$ **Performance**Capacitance change $|\Delta C/C|$: $\leq 2\%$

DF change ($\Delta \text{tg}\delta$): $\leq 50 \times 10^{-4}$ at 10kHz for $C \leq 1\mu\text{F}$
 $\leq 30 \times 10^{-4}$ at 1kHz for $C > 1\mu\text{F}$

Insulation resistance: $\geq$ initial limit.**Long term stability (after two years):**

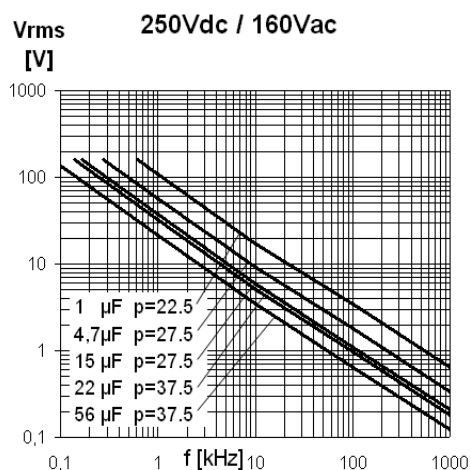
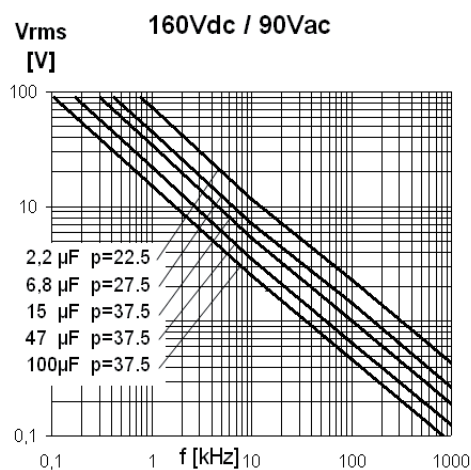
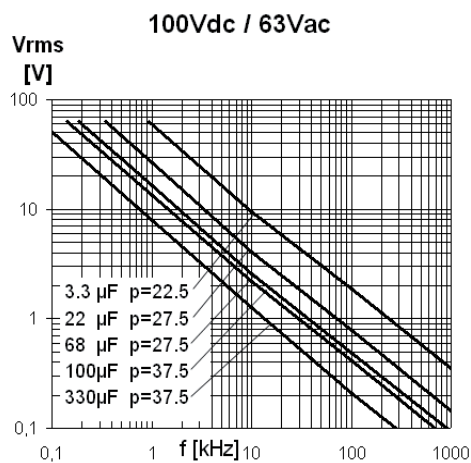
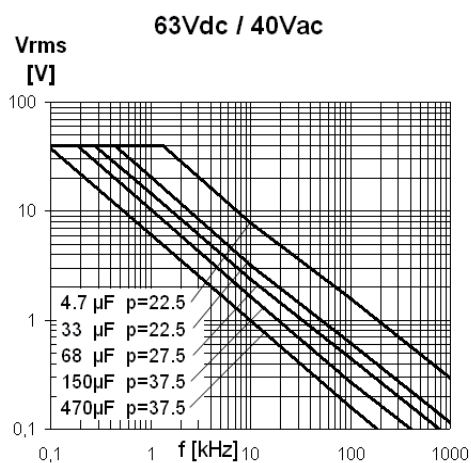
Storage: standard environmental conditions (see page 12 of DC film capacitors catalogue)

PerformanceCapacitance change $|\Delta C/C|$: $\leq 2\%$

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

PRODUCT CODE: **JSP**

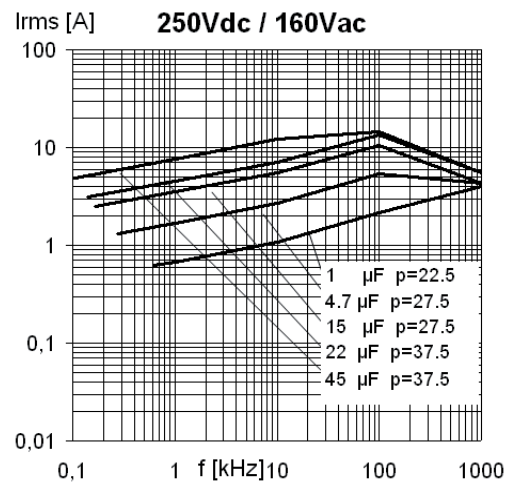
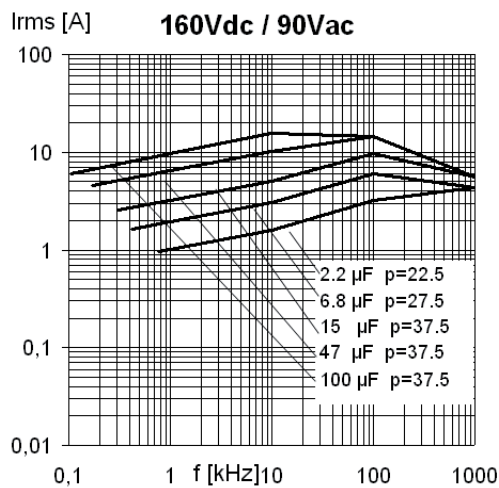
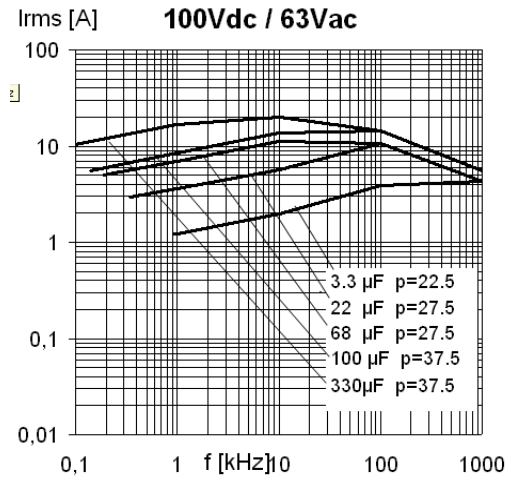
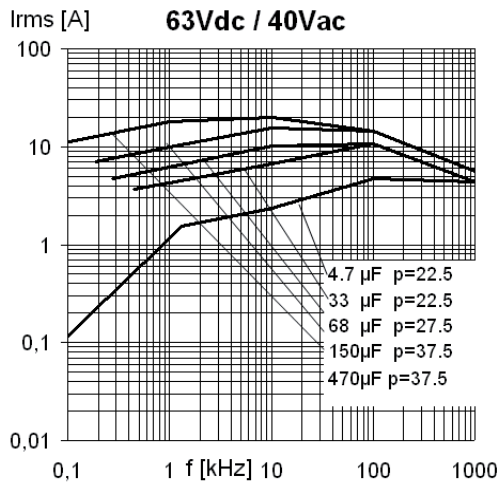
MAX. VOLTAGE (Vr.m.s.) VERSUS FREQUENCY (sinusoidal wave-form / $T_h = 80^\circ\text{C}$)



Note: *Th=max. ambient temperature surrounding the capacitor or hottest contact point (i.e. tracks), whichever is higher, in the worst operation conditions in $^\circ\text{C}$

METALLIZED POLYESTER FILM CAPACITOR
D.C. MULTIPURPOSE APPLICATIONS

PRODUCT CODE: JSP

MAX. CURRENT ($I_{r.m.s.}$) VERSUS FREQUENCY (sinusoidal wave-form / $T_h = 80^\circ\text{C}$)

Note: * T_h =max. ambient temperature surrounding the capacitor or hottest contact point (i.e. tracks), whichever is higher, in the worst operation conditions in $^\circ\text{C}$