

Metallized Polypropylene Film Capacitor

BMPP

Non-inductive construction using metallized Polypropylene film with flame retardant plastic case and epoxy resin filled.

■ Features

- Low Dissipation Factor at high Frequency.
- High stability of capacitance & DF.
- Self-healing property.
- High insulation resistance.
- Plastic case(UL94 V-0), Epoxy resin sealing
- RoHS directive compliant
- AEC-Q200 Available

■ Applications

- Typical applications include pulse operation in switched mode
- power supply(SMPS), televisions, computers, monitors, electrical ballasts and other high frequency applications demanding stable operation.

■ Specifications

Reference Standard		IEC 60384-16(For-DC Type) IEC 60384-17(For-AC Type)
Climatic Category		40 / 105 / 21
Rated Temperature		105℃ +85℃~+105℃ decreasing factor 1.0% / °C for V_R (dc)
Operation Temperature Range		-40℃~105℃
Rated Voltage	DC-Type	160V, 250V, 400V, 630V
	AC-Type	90Vac, 160Vac, 220Vac, 250Vac
Capacitance Range		0.01μF~10.0μF
Capacitance Tolerance		J : ±5% K : ±10% M : ±20% ※Standard : J : ±5%, Other Tolerance Grade : available on request.
Voltage Proof	DC-Type	1.75 U_R (dc) / 3sec
	AC-Type	4.3 U_R (ac) / 3sec
Dissipation Factor		≤0.1% (at 1kHz 20℃)
Rated Voltage	DC-Type	U_R (dc)<500V
		≥30,000MΩ C_R ≤0.33μF 100Vdc 60sec 20℃
		≥10,000Ω·F C_R >0.33μF 100Vdc 60sec 20℃
		U_R (dc)≥500V
		≥30,000MΩ C_R ≤0.33μF 500Vdc 60sec 20℃
		≥10,000Ω·F C_R >0.33μF 500Vdc 60sec 20℃

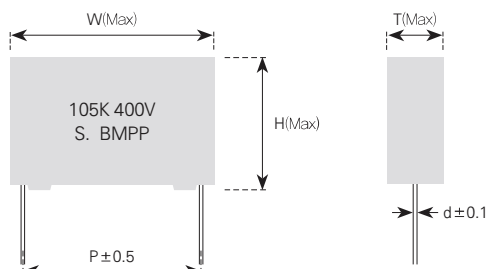
■ Part Number System

BMPP	160V	184	J	10	S	5	
Part-1	Part-2	Part-3	Part-4	Part-5	Part-6	Part-7	Part-8

Part-1 : Series Code(Series Name)-BMPP
 Part-2 : Rated Voltage(DC : 160V~630V / 90Vac~250Vac(Only for AC applications))
 Part-3 : Rated Capacitance Value(0.01μF~10.0μF / 103~106)
 Part-4 : Capacitance Tolerance(G : ±2% H : ±3% J : ±5% K : ±10% M : ±20%)
 Part-5 : Lead Spacing(10mm / 15mm / 22.5mm / 27.5mm)
 Part-6 : Forming-Type and Packing Code
 Part-7 : Size Number(1~4 : Min-Type / 5 : Standard -Type / 6~9 : Large-Type)
 Part-8 : Internal Use

CODE	STYLE
B	Bending Forming
C	Straight Cutting
D	D-Type Forming
L	B-Type long Forming
M	C-Type long Forming
S	Straight
X	B-Type Forming
Y	C-Type Forming
Z	Z-Type Forming
T	A-Type Tapping
U	B-Type Tapping
V	C-Type Tapping

■ Dimensions



160Vdc(90Vac)					
Cap. (μF)	Dimensions(mm)			Pitch - d	PART NUMBER
	W (max.)	H (max.)	T (max.)		
0.1	10.5	11.0	5.0	7.5-0.6	BMPP160V104J7.5S5 ____
0.12	10.5	11.0	5.0	7.5-0.6	BMPP160V124J7.5S5 ____
0.15	10.5	11.0	5.0	7.5-0.6	BMPP160V154J7.5S5 ____
0.18	10.5	12.0	6.0	7.5-0.6	BMPP160V184J7.5S5 ____
0.22	10.5	12.0	6.0	7.5-0.6	BMPP160V224J7.5S5 ____
0.27	10.5	13.0	7.0	7.5-0.6	BMPP160V274J7.5S5 ____
0.18	13.0	11.0	5.0	10-0.6	BMPP160V184J10S5 ____
0.22	13.0	11.0	5.0	10-0.6	BMPP160V224J10S5 ____
0.27	13.0	11.0	5.0	10-0.6	BMPP160V274J10S5 ____
0.33	13.0	12.0	6.0	10-0.6	BMPP160V334J10S5 ____
0.39	13.0	12.0	6.0	10-0.6	BMPP160V394J10S5 ____
0.47	13.0	13.0	7.0	10-0.6	BMPP160V474J10S5 ____
0.33	18.0	11.0	5.0	15-0.8	BMPP160V334J15S5 ____
0.39	18.0	11.0	5.0	15-0.8	BMPP160V394J15S5 ____
0.47	18.0	11.0	5.0	15-0.8	BMPP160V474J15S5 ____
0.56	18.0	11.0	5.0	15-0.8	BMPP160V564J15S5 ____
0.68	18.0	12.0	6.0	15-0.8	BMPP160V684J15S5 ____
0.82	18.0	12.0	6.0	15-0.8	BMPP160V824J15S5 ____
1	18.0	13.0	7.0	15-0.8	BMPP160V105J15S5 ____
1.2	18.0	13.5	7.5	15-0.8	BMPP160V125J15S5 ____
1.5	18.0	15.0	8.5	15-0.8	BMPP160V155J15S5 ____
2.2	18.0	16.5	10.0	15-0.8	BMPP160V225J15S5 ____
2.7	18.0	19.0	11.0	15-0.8	BMPP160V275J15S5 ____
1	26.0	15.0	6.0	22.5-0.8	BMPP160V105J22.5S5 ____
1.2	26.0	15.0	6.0	22.5-0.8	BMPP160V125J22.5S5 ____
1.5	26.0	15.0	6.0	22.5-0.8	BMPP160V155J22.5S5 ____

1.8	26.0	16.5	7.0	22.5-0.8	BMPP160V185J22.5S5 ____
2.2	26.0	16.5	7.0	22.5-0.8	BMPP160V225J22.5S5 ____
2.7	26.0	17.0	8.5	22.5-0.8	BMPP160V275J22.5S5 ____
3.3	26.0	18.0	9.0	22.5-0.8	BMPP160V335J22.5S5 ____
3.9	26.0	19.0	10.0	22.5-0.8	BMPP160V395J22.5S5 ____
4.7	26.0	20.0	11.0	22.5-0.8	BMPP160V475J22.5S5 ____
5.6	26.0	22.0	12.5	22.5-0.8	BMPP160V565J21.5S5 ____
6.8	26.0	24.0	13.5	22.5-0.8	BMPP160V685J22.5S5 ____
8.2	26.0	25.0	15.0	22.5-0.8	BMPP160V825J22.5S5 ____
2.2	31.0	18.0	9.0	27.5-0.8	BMPP160V225J27.5S5 ____
2.7	31.0	18.0	9.0	27.5-0.8	BMPP160V275J27.5S5 ____
3.3	31.0	18.0	9.0	27.5-0.8	BMPP160V335J27.5S5 ____
3.9	31.0	18.0	9.0	27.5-0.8	BMPP160V395J27.5S5 ____
4.7	31.0	19.0	10.0	27.5-0.8	BMPP160V475J27.5S5 ____
5.6	31.0	20.0	11.0	27.5-0.8	BMPP160V565J27.5S5 ____
6.8	31.0	22.0	13.0	27.5-0.8	BMPP160V685J27.5S5 ____
8.2	31.0	23.5	14.0	27.5-0.8	BMPP160V825J27.5S5 ____
10	31.0	24.5	15.0	27.5-0.8	BMPP160V106J27.5S5 ____

250Vdc(160Vac)					
Cap. (μF)	Dimensions(mm)			Pitch - d	PART NUMBER
	W (max.)	H (max.)	T (max.)		
0.068	10.5	11.0	5.0	7.5-0.6	BMPP250V683J7.5S5 ____
0.082	10.5	11.0	5.0	7.5-0.6	BMPP250V823J7.5S5 ____
0.1	10.5	11.0	5.0	7.5-0.6	BMPP250V104J7.5S5 ____
0.12	10.5	11.0	5.0	7.5-0.6	BMPP250V124J7.5S5 ____
0.15	10.5	11.0	5.0	7.5-0.6	BMPP250V154J7.5S5 ____
0.12	13.0	11.0	5.0	10-0.6	BMPP250V124J10S5 ____
0.15	13.0	11.0	5.0	10-0.6	BMPP250V154J10S5 ____
0.18	13.0	11.0	5.5	10-0.6	BMPP250V184J10S5 ____
0.22	13.0	12.0	6.0	10-0.6	BMPP250V224J10S5 ____
0.27	13.0	13.0	7.0	10-0.6	BMPP250V274J10S5 ____
0.22	18.0	11.0	5.0	15-0.8	BMPP250V224J15S5 ____
0.27	18.0	11.0	5.0	15-0.8	BMPP250V274J15S5 ____
0.33	18.0	11.0	5.0	15-0.8	BMPP250V334J15S5 ____
0.39	18.0	11.0	5.0	15-0.8	BMPP250V394J15S5 ____
0.47	18.0	11.0	5.0	15-0.8	BMPP250V474J15S5 ____
0.56	18.0	11.0	5.0	15-0.8	BMPP250V564J15S5 ____

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0.68	18.0	12.0	6.0	15-0.8	BMPP250V684J15S5 ____
0.82	18.0	12.0	6.0	15-0.8	BMPP250V824J15S5 ____
1	18.0	13.0	7.0	15-0.8	BMPP250V105J15S5 ____
1.2	18.0	13.5	7.5	15-0.8	BMPP250V125J15S5 ____
1.5	18.0	15.0	8.5	15-0.8	BMPP250V155J15S5 ____
1.8	18.0	18.0	9.0	15-0.8	BMPP250V185J15S5 ____
0.47	26.0	15.0	6.0	22.5-0.8	BMPP250V474J22.5S5 ____
0.56	26.0	15.0	6.0	22.5-0.8	BMPP250V564J22.5S5 ____
0.68	26.0	15.0	6.0	22.5-0.8	BMPP250V684J22.5S5 ____
0.82	26.0	15.0	6.0	22.5-0.8	BMPP250V824J22.5S5 ____
1	26.0	16.5	7.0	22.5-0.8	BMPP250V105J22.5S5 ____
1.2	26.0	16.5	7.0	22.5-0.8	BMPP250V125J22.5S5 ____
1.5	26.0	16.5	7.0	22.5-0.8	BMPP250V155J22.5S5 ____
1.8	26.0	16.5	7.0	22.5-0.8	BMPP250V185J22.5S5 ____
2.2	26.0	16.5	7.0	22.5-0.8	BMPP250V225J22.5S5 ____
2.7	26.0	17.0	8.5	22.5-0.8	BMPP250V275J22.5S5 ____
3.3	26.0	18.0	9.0	22.5-0.8	BMPP250V335J22.5S5 ____
3.9	26.0	19.0	10.0	22.5-0.8	BMPP250V395J22.5S5 ____
4.7	26.0	20.0	11.0	22.5-0.8	BMPP250V475J22.5S5 ____
5.6	26.0	22.0	12.5	22.5-0.8	BMPP250V565J22.5S5 ____
1.5	31.0	18.0	9.0	27.5-0.8	BMPP250V155J27.5S5 ____
1.8	31.0	18.0	9.0	27.5-0.8	BMPP250V185J27.5S5 ____
2.2	31.0	18.0	9.0	27.5-0.8	BMPP250V225J27.5S5 ____
2.7	31.0	19.0	10.0	27.5-0.8	BMPP250V275J27.5S5 ____
3.3	31.0	20.0	11.0	27.5-0.8	BMPP250V335J27.5S5 ____
3.9	31.0	22.0	13.0	27.5-0.8	BMPP250V395J27.5S5 ____
4.7	31.0	23.5	14.0	27.5-0.8	BMPP250V475J27.5S5 ____
5.6	31.0	24.5	15.0	27.5-0.8	BMPP250V565J27.5S5 ____
6.8	31.0	26.0	18.0	27.5-0.8	BMPP250V685J27.5S5 ____
8.2	31.0	28.0	19.0	27.5-0.8	BMPP250V825J27.5S5 ____
10	31.0	31.0	21.0	27.5-0.8	BMPP250V106J27.5S5 ____

400Vdc(220Vac)

Cap. (μF)	Dimensions(mm)			Pitch - d	PART NUMBER
	W (max.)	H (max.)	T (max.)		
0.027	10.5	11.0	5.0	7.5-0.6	BMPP400V273J7.5S5 ____
0.033	10.5	11.0	5.0	7.5-0.6	BMPP400V333J7.5S5 ____
0.039	10.5	11.0	5.0	7.5-0.6	BMPP400V393J7.5S5 ____

0.047	10.5	12.0	6.0	7.5-0.6	BMPP400V473J7.5S5 ____
0.056	10.5	12.0	6.0	7.5-0.6	BMPP400V563J7.5S5 ____
0.068	10.5	12.0	6.0	7.5-0.6	BMPP400V683J7.5S5 ____
0.047	13.0	11.0	5.0	10-0.6	BMPP400V473J10S5 ____
0.056	13.0	11.0	5.0	10-0.6	BMPP400V563J10S5 ____
0.068	13.0	11.0	5.0	10-0.6	BMPP400V683J10S5 ____
0.082	13.0	11.0	5.0	10-0.6	BMPP400V823J10S5 ____
0.1	13.0	11.0	5.5	10-0.6	BMPP400V104J10S5 ____
0.12	13.0	12.0	6.0	10-0.6	BMPP400V124J10S5 ____
0.082	18.0	11.0	5.0	15-0.8	BMPP400V823J15S5 ____
0.1	18.0	11.0	5.0	15-0.8	BMPP400V104J15S5 ____
0.12	18.0	11.0	5.0	15-0.8	BMPP400V124J15S5 ____
0.15	18.0	11.0	5.0	15-0.8	BMPP400V154J15S5 ____
0.18	18.0	11.0	5.0	15-0.8	BMPP400V184J15S5 ____
0.22	18.0	12.0	6.0	15-0.8	BMPP400V224J15S5 ____
0.27	18.0	12.0	6.0	15-0.8	BMPP400V274J15S5 ____
0.33	18.0	13.0	7.0	15-0.8	BMPP400V334J15S5 ____
0.39	18.0	13.5	7.5	15-0.8	BMPP400V394J15S5 ____
0.47	18.0	15.0	8.5	15-0.8	BMPP400V474J15S5 ____
0.56	18.0	17.0	8.0	15-0.8	BMPP400V564J15S5 ____
0.68	18.0	16.0	10.0	15-0.8	BMPP400V684J15S5 ____
0.82	18.0	18.0	10.0	15-0.8	BMPP400V824J15S5 ____
0.22	26.0	15.0	6.0	22.5-0.8	BMPP400V224J22.5S5 ____
0.27	26.0	15.0	6.0	22.5-0.8	BMPP400V274J22.5S5 ____
0.33	26.0	15.0	6.0	22.5-0.8	BMPP400V334J22.5S5 ____
0.39	26.0	15.0	6.0	22.5-0.8	BMPP400V394J22.5S5 ____
0.47	26.0	15.0	6.0	22.5-0.8	BMPP400V474J22.5S5 ____
0.56	26.0	16.5	7.0	22.5-0.8	BMPP400V564J22.5S5 ____
0.68	26.0	16.5	7.0	22.5-0.8	BMPP400V684J22.5S5 ____
0.82	26.0	17.0	8.5	22.5-0.8	BMPP400V824J22.5S5 ____
1	26.0	17.0	8.5	22.5-0.8	BMPP400V105J22.5S5 ____
1.2	26.0	19.0	10.0	22.5-0.8	BMPP400V125J22.5S5 ____
1.5	26.0	20.0	11.0	22.5-0.8	BMPP400V155J22.5S5 ____
1.8	26.0	22.0	12.5	22.5-0.8	BMPP400V185J22.5S5 ____
2.2	26.0	24.0	13.5	22.5-0.8	BMPP400V225J22.5S5 ____
0.56	31.0	18.0	9.0	27.5-0.8	BMPP400V564J27.5S5 ____
0.68	31.0	18.0	9.0	27.5-0.8	BMPP400V684J27.5S5 ____
0.82	31.0	18.0	9.0	27.5-0.8	BMPP400V824J27.5S5 ____
1	31.0	19.0	10.0	27.5-0.8	BMPP400V105J27.5S5 ____
1.2	31.0	19.0	10.0	27.5-0.8	BMPP400V125J27.5S5 ____

1.5	31.0	19.0	10.0	27.5-0.8	BMPP400V155J22.5S5 ____
1.8	31.0	20.0	11.0	27.5-0.8	BMPP400V185J27.5S5 ____
2.2	31.0	24.5	15.0	27.5-0.8	BMPP400V225J27.5S5 ____
2.7	31.0	25.5	16.0	27.5-0.8	BMPP400V275J27.5S5 ____
3.3	31.0	26.0	18.0	27.5-0.8	BMPP400V335J27.5S5 ____
3.9	31.0	25.5	16.0	27.5-0.8	BMPP400V395J27.5S5 ____
4.7	31.0	26.0	18.0	27.5-0.8	BMPP400V475J27.5S5 ____
5.6	31.0	28.0	19.0	27.5-0.8	BMPP400V56J27.5S5 ____
6.8	31.0	31.0	21.0	27.5-0.8	BMPP400V685J27.5S5 ____

630Vdc					
Cap. (μF)	Dimensions(mm)			Pitch - d	PART NUMBER
	W (max.)	H (max.)	T (max.)		
0.012	10.5	11.0	5.0	7.5-0.6	BMPP630V123J7.5S5 ____
0.015	10.5	11.0	5.0	7.5-0.6	BMPP630V153J7.5S5 ____
0.018	10.5	11.0	5.0	7.5-0.6	BMPP630V183J7.5S5 ____
0.022	10.5	11.0	5.0	7.5-0.6	BMPP630V223J7.5S5 ____
0.027	10.5	11.0	5.0	7.5-0.6	BMPP630V273J7.5S5 ____
0.033	10.5	11.0	5.0	7.5-0.6	BMPP630V333J7.5S5 ____
0.039	10.5	12.0	6.0	7.5-0.6	BMPP630V393J7.5S5 ____
0.027	13.0	11.0	5.0	10-0.6	BMPP630V273J10S5 ____
0.033	13.0	11.0	5.0	10-0.6	BMPP630V333J10S5 ____
0.039	13.0	11.0	5.0	10-0.6	BMPP630V393J10S5 ____
0.047	13.0	11.0	5.5	10-0.6	BMPP630V473J10S5 ____
0.056	13.0	12.0	6.0	10-0.6	BMPP630V563J10S5 ____
0.068	13.0	12.5	6.5	10-0.6	BMPP630V683J10S5 ____
0.047	18.0	11.0	5.0	15-0.8	BMPP630V473J15S5 ____
0.056	18.0	11.0	5.0	15-0.8	BMPP630V563J15S5 ____
0.063	18.0	11.0	5.0	15-0.8	BMPP630V633J15S5 ____
0.068	18.0	12.0	6.0	15-0.8	BMPP630V683J15S5 ____
0.082	18.0	12.0	6.0	15-0.8	BMPP630V823J15S5 ____
0.1	18.0	12.0	6.0	15-0.8	BMPP630V104J15S5 ____
0.12	18.0	12.0	6.0	15-0.8	BMPP630V124J15S5 ____
0.15	18.0	13.0	7.0	15-0.8	BMPP630V154J15S5 ____
0.18	18.0	13.0	7.0	15-0.8	BMPP630V184J15S5 ____
0.22	18.0	14.0	8.0	15-0.8	BMPP630V224J15S5 ____
0.27	18.0	17.0	8.0	15-0.8	BMPP630V274J15S5 ____
0.33	18.0	16.0	10.0	15-0.8	BMPP630V334J15S5 ____

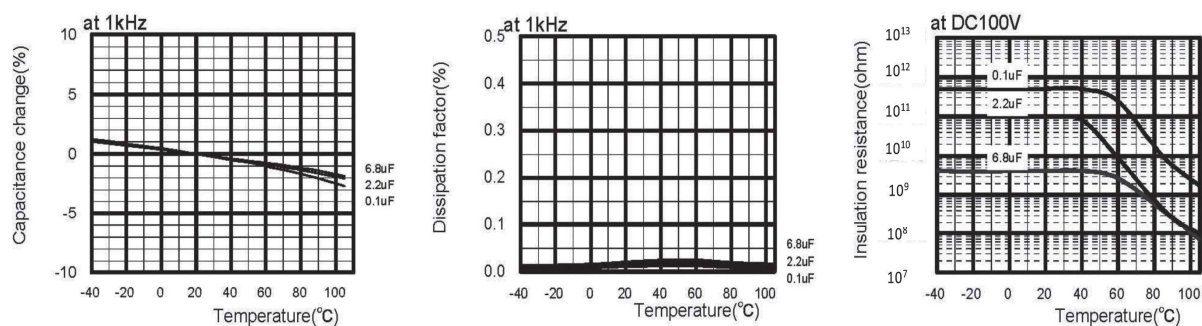
0.39	18.0	19.0	11.0	15-0.8	BMPP630V394J15S5 ____
0.1	26.0	15.0	6.0	22.5-0.8	BMPP630V104J22.5S5 ____
0.12	26.0	15.0	6.0	22.5-0.8	BMPP630V124J22.5S5 ____
0.15	26.0	15.0	6.0	22.5-0.8	BMPP630V154J22.5S5 ____
0.18	26.0	15.0	6.0	22.5-0.8	BMPP630V184J22.5S5 ____
0.22	26.0	15.0	6.0	22.5-0.8	BMPP630V224J22.5S5 ____
0.27	26.0	16.5	7.0	22.5-0.8	BMPP630V274J22.5S5 ____
0.33	26.0	16.5	7.0	22.5-0.8	BMPP630V334J22.5S5 ____
0.39	26.0	17.0	8.5	22.5-0.8	BMPP630V394J22.5S5 ____
0.47	26.0	18.0	9.0	22.5-0.8	BMPP630V474J22.5S5 ____
0.56	26.0	19.0	10.0	22.5-0.8	BMPP630V564J22.5S5 ____
0.68	26.0	20.0	11.0	22.5-0.8	BMPP630V684J22.5S5 ____
0.82	26.0	22.0	12.5	22.5-0.8	BMPP630V824J22.5S5 ____
1	26.0	22.0	12.5	22.5-0.8	BMPP630V105J22.5S5 ____
1.2	26.0	24.5	15.0	22.5-0.8	BMPP630V125J22.5S5 ____
0.33	31.0	18.0	9.0	27.5-0.8	BMPP630V334J27.5S5 ____
0.39	31.0	18.0	9.0	27.5-0.8	BMPP630V394J27.5S5 ____
0.47	31.0	18.0	9.0	27.5-0.8	BMPP630V474J27.5S5 ____
0.56	31.0	19.0	10.0	27.5-0.8	BMPP630V564J27.5S5 ____
0.68	31.0	20.0	11.0	27.5-0.8	BMPP630V684J27.5S5 ____
0.82	31.0	22.0	13.0	27.5-0.8	BMPP630V824J27.5S5 ____
1	31.0	22.0	13.0	27.5-0.8	BMPP630V105J27.5S5 ____
1.2	31.0	24.5	15.0	27.5-0.8	BMPP630V125J27.5S5 ____
1.5	31.0	25.5	16.0	27.5-0.8	BMPP630V155J27.5S5 ____
1.8	31.0	26.0	18.0	27.5-0.8	BMPP630V185J27.5S5 ____
2.2	31.0	28.0	19.0	27.5-0.8	BMPP630V225J27.5S5 ____
2.7	31.0	31.0	21.0	27.5-0.8	BMPP630V275J27.5S5 ____
3.3	31.0	31.0	21.0	27.5-0.8	BMPP630V335J27.5S5 ____
3.9	31.0	31.0	21.0	27.5-0.8	BMPP630V395J27.5S5 ____

Metallized Polypropylene Film Capacitor

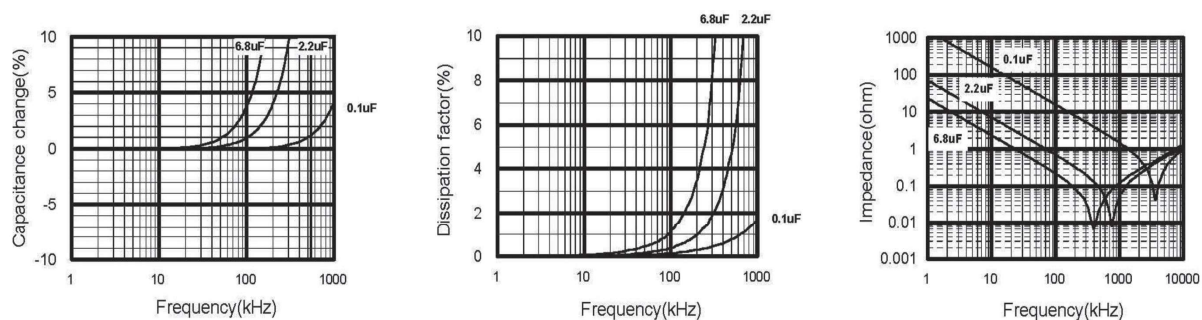
250Vdc Series

Electrical Characteristics (Typical Data)

Temperature Characteristics

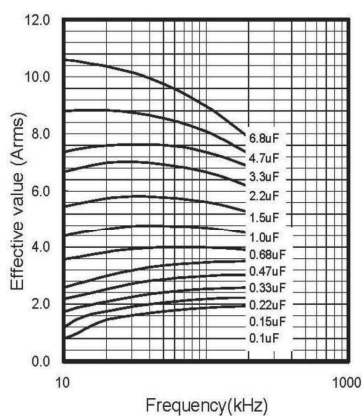


Frequency Characteristics



Applicable Specifications

Permissible Current



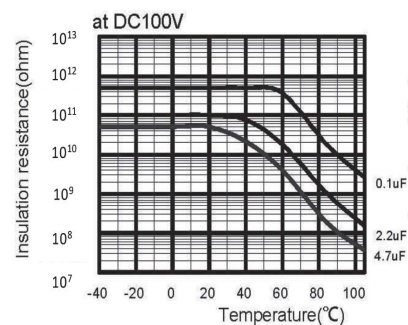
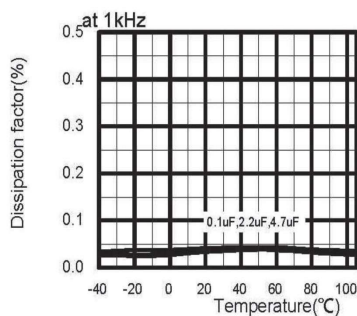
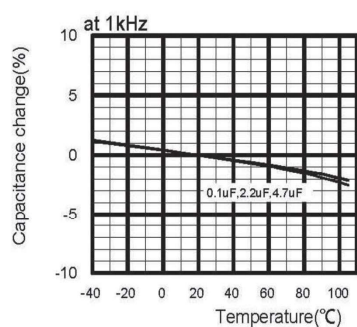
Pulse Handling Capability(dv/dt)
(Max 1000cycles)

Rating Voltage	Capacitance Value(μF)	Code	dV/dt(V/μs)	Current(o-p) (A)
DC 250V	0.10	104	135	13.5
	0.15	154		20.2
	0.22	224		29.7
	0.33	334		44.5
	0.47	474		63.4
	0.68	684	82	55.7
	1.00	105		82.0
	1.50	155		123.0
	2.20	225		180.4
	3.30	335	57	188.1
	6.80	685		387.6

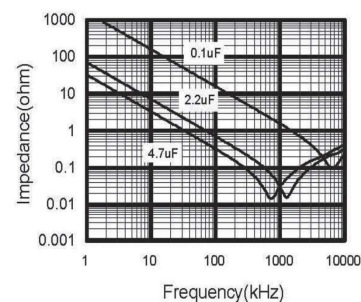
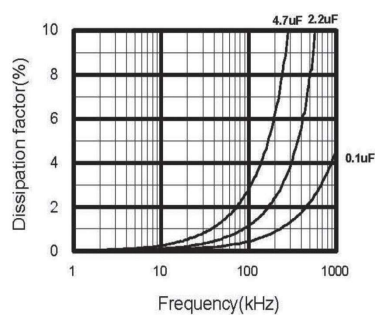
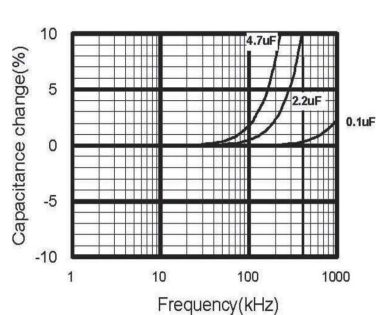
■ Electrical Characteristics (Typical Data)

400Vdc Series

Temperature Characteristics

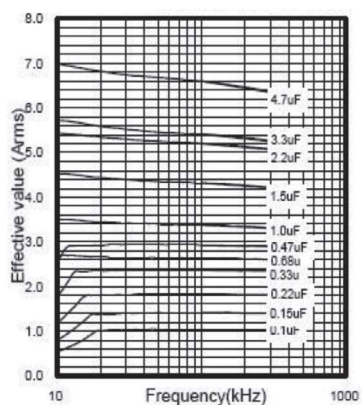


Frequency Characteristics



■ Applicable Specifications

Permissible Current



Pulse Handling Capability(dv/dt)
(Max 1000cycles)

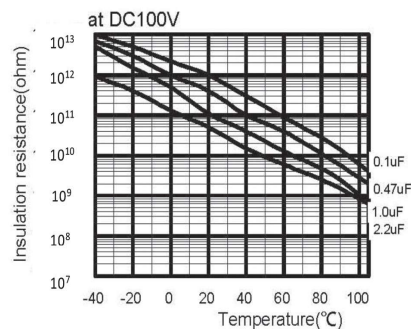
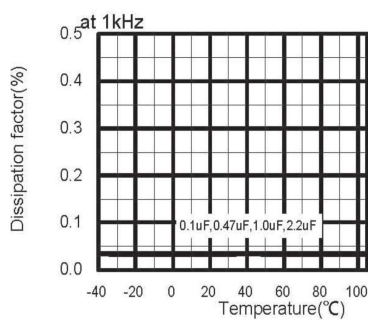
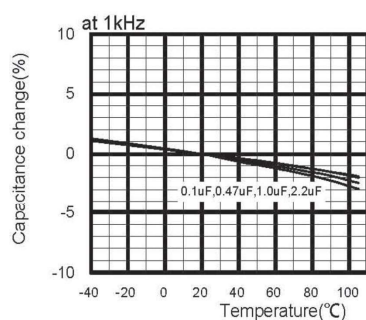
Rating Voltage	Capacitance Value(μF)	Code	dV/dt(V/μs)	Current(o-p) (A)
400Vdc Series	0.10	104	41.6	4.2
	0.15	154		6.2
	0.22	224		9.2
	0.33	334		13.7
	0.47	474		19.6
	0.68	684	24.3	16.5
	1.00	105		24.3
	1.50	155		36.4
	2.20	225		53.4
	3.30	335	14.3	47.2
	4.70	475		67.3

Metallized Polypropylene Film Capacitor

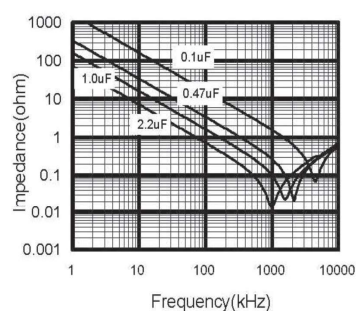
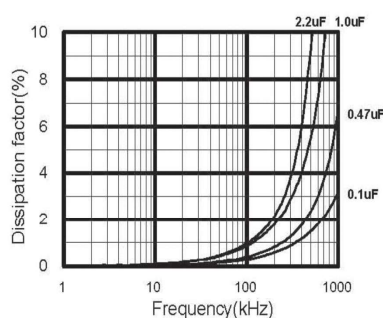
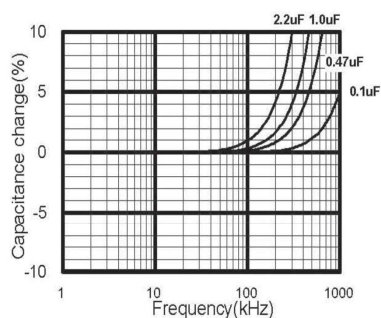
630Vdc Series

Electrical Characteristics (Typical Data)

Temperature Characteristics

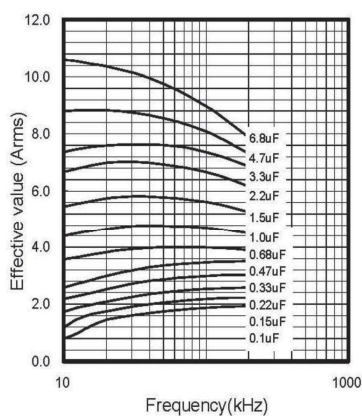


Frequency Characteristics



Applicable Specifications

Permissible Current



Pulse Handling Capability(dv/dt)
(Max 1000cycles)

Rating Voltage	Capacitance Value(μF)	Code	dV/dt(V/μs)	Current(o-p) (A)
DC 630V	0.10	104	155	15.5
	0.12	124		18.6
	0.15	154		23.3
	0.18	184		27.9
	0.22	224		34.1
	0.27	274		41.9
	0.33	334		51.2
	0.39	394		60.5
	0.47	474	65	72.9
	0.56	564		86.8
	0.68	684		105.4
	0.82	824		53.3
	1.00	105		65.0
	1.20	125		78.0
	1.50	155		97.5
	1.80	185		117
	2.20	225		143