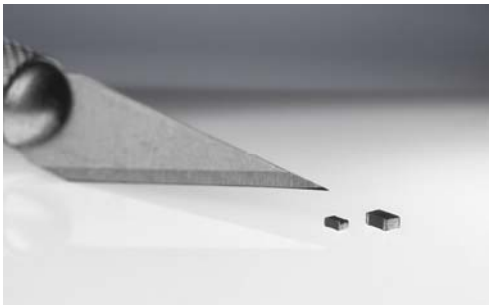
JARO Components, Inc. An ISO Registered Firm

Series: PPCX - (25VDC)

Plastic Stacked Film Chip Capacitor



Applications:

- Coupling
- Noise Suppression

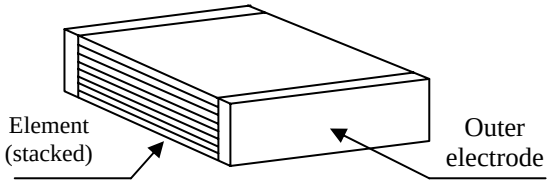
Features:

- Low ESR
- Applicable for reflow soldering

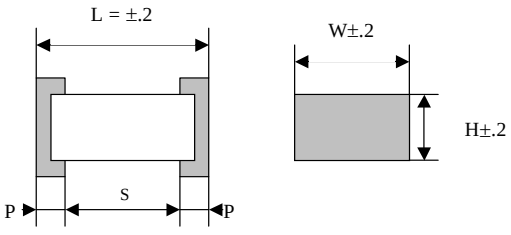
Electrical Specifications:

Operating temp. range	-40 to +105°C
Rated voltage	25VDC
Capacitance range	0.01 to 1.0uF
Capacitance tolerance	±5% (J), 10% (K)
Dissipation factor	1.5%max. (20°C, 1kHz)
Withstand voltage	Between terminals: Rated volt (VDC)x150%, 1 min.
Insulation resistance	0.010uF – 0.33uF : 1000MΩ min. (20°C, 25VDC , 60s) 0.33uF – 1.0uF : 300MΩ • uF min. (20°C, 25VDC 60s)
Soldering Conditions	Reflow: soldering 250°C Max and 30sec max. at more than 220°C (Temp. at cap. surface)

Construction



Dimensions in mm (not to scale)



Size Code	L	W	H	P1, P2	S
KO	1.6	0.8	0.6	0.40	≥.40
J1	2.0	1.25	0.8	0.45	≥.60
J2	2.0	1.25	1.0	0.45	≥.60
H1	3.2	1.6	0.8	0.65	≥1.0
H2	3.2	1.6	1.0	0.65	≥1.0
H3	3.2	1.6	1.4	0.65	≥1.0

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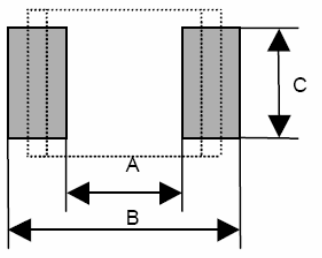
Ratings, Dimensions, and Quantity per reel

Rating volt. 16VDC

		Dimesions (mm)				
Part Number	**Cap. (µF)**	**L**	**W**	**H**	**Size Code**	**Quantity**
PPCX103J25KOT	0.01	1.6	0.8	0.6	KO	4000
PPCX123J25KOT	0.012	1.6	0.8	0.6	KO	4000
PPCX153J25KOT	0.015	1.6	0.8	0.6	KO	4000
PPCX183J25KOT	0.018	1.6	0.8	0.6	KO	4000
PPCX223J25KOT	0.022	1.6	0.8	0.6	KO	4000
PPCX273J25KOT	0.027	1.6	0.8	0.6	KO	4000
PPCX333J25KOT	0.033	1.6	0.8	0.6	KO	4000
PPCX393J25KOT	0.039	1.6	0.8	0.6	KO	4000
PPCX473J25J1T	0.047	2.0	1.25	0.8	J1	3000
PPCX563J25J1T	0.056	2.0	1.25	0.8	J1	3000
PPCX683J25J1T	0.068	2.0	1.25	0.8	J1	3000
PPCX823J25J1T	0.082	2.0	1.25	0.8	J1	3000
PPCX104J25J2T	0.1	2.0	1.25	1.0	J2	3000
PPCX124J25J2T	0.12	2.0	1.25	1.0	J2	3000
PPCX154J25J2T	0.15	2.0	1.25	1.0	J2	3000
PPCX184J25H1T	0.18	3.2	1.6	0.8	H1	3000
PPCX224J25H1T	0.22	3.2	1.6	0.8	H1	3000
PPCX274J25H1T	0.27	3.2	1.6	0.8	H1	3000
PPCX334J25H1T	0.33	3.2	1.6	0.8	H1	3000
PPCX394J25H1T	0.39	3.2	1.6	0.8	H1	3000
PPCX474J25H2T	0.47	3.2	1.6	1.0	H2	3000
PPCX564J25H2T	0.56	3.2	1.6	1.0	H2	3000
PPCX684J25H3T	0.68	3.2	1.6	1.4	H3	2000
PPCX824J25H3T	0.82	3.2	1.6	1.4	H3	2000
PPCX105J25H3T	1.0	3.2	1.6	1.4	H3	2000

Land pattern dimensions:

	Land dimensions Reflow soldering		
Size Code	**A**	**B**	**C**
KO	0.6	2	0.7
J1, J2	0.8	2.4	1.1
H1, H2, H3	1.8	3.6	1.4



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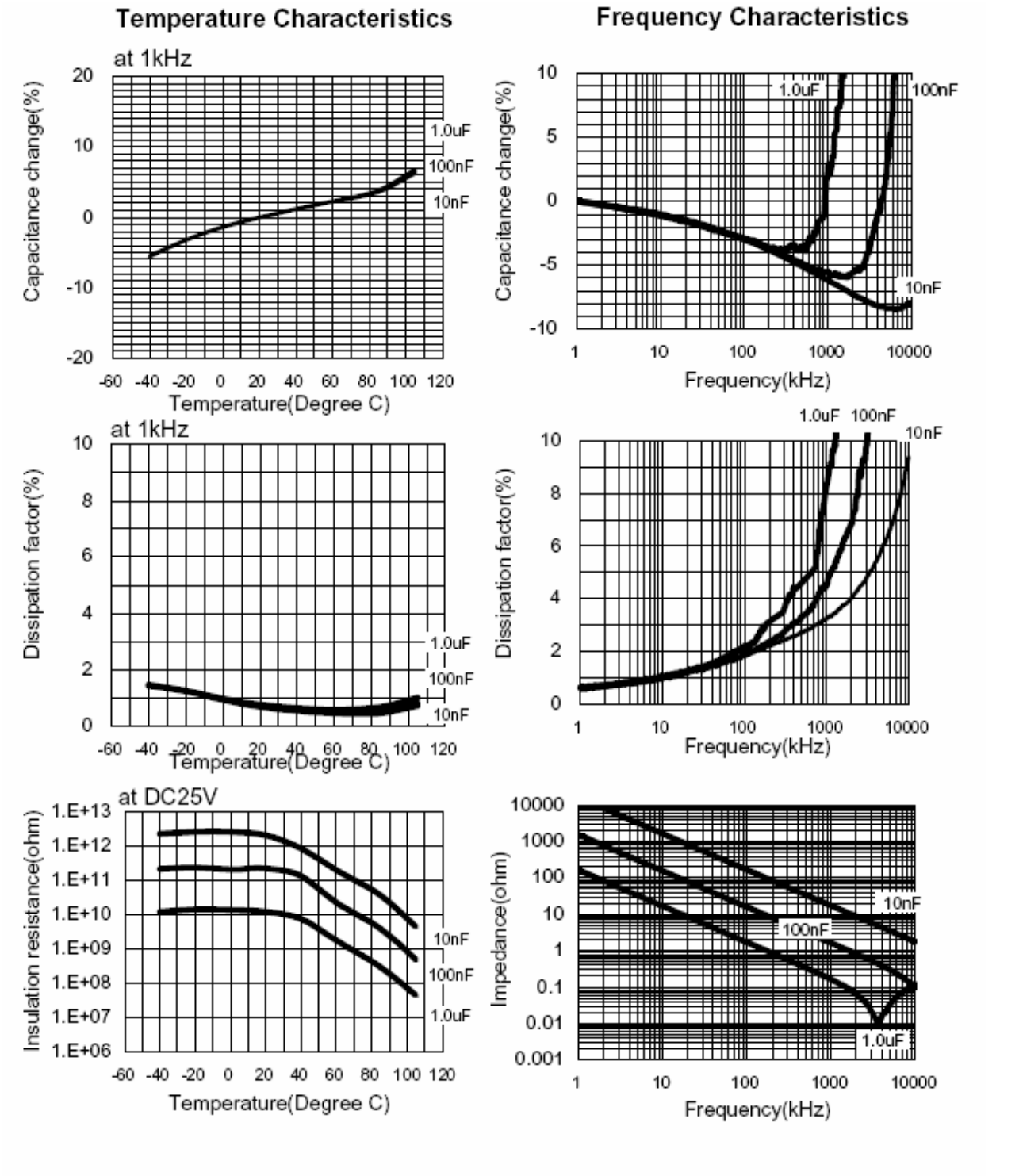
Electrical characteristics



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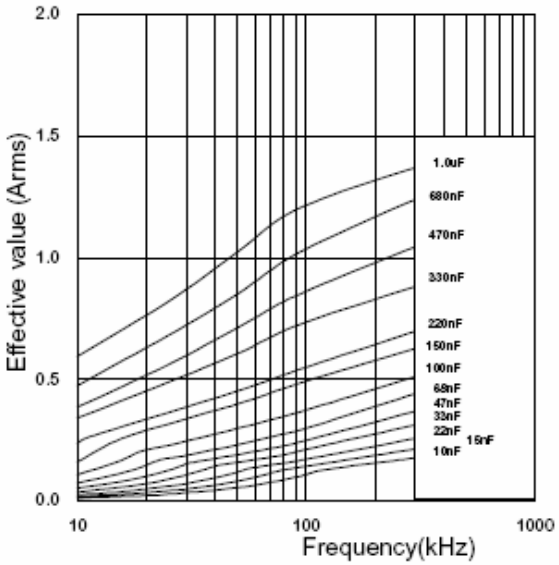
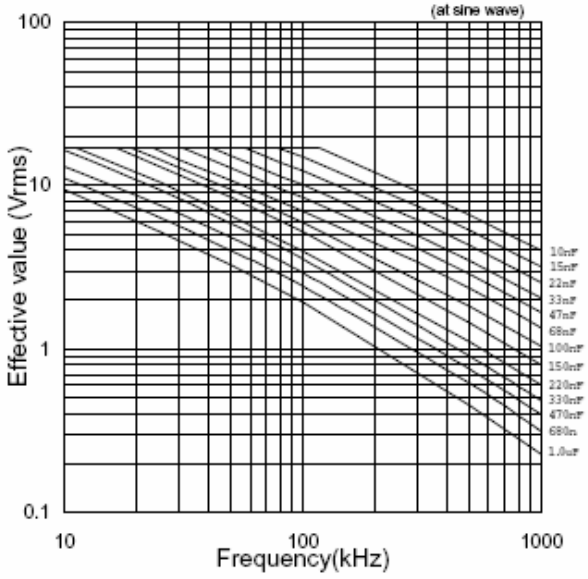
Electrical characteristics (cont'd)

Permissible Current



Permissible Voltage

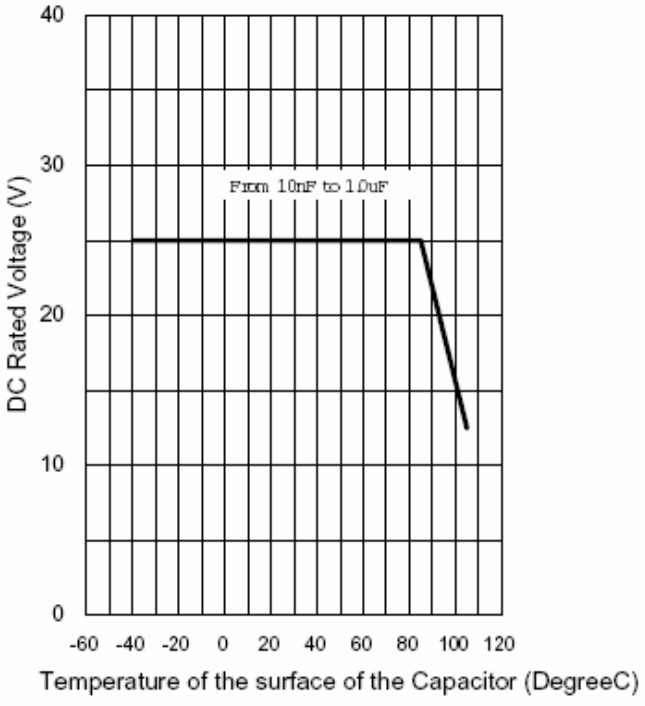


Pulse Handling Capability (dv/dt)

(Max 10000cycles)

Rating Voltage	Capacitance Value(uF)	code	dV/dt (V/us)	Current(o-P) (A)
DC 25V	0.01	103	65	0.65
	0.012	123	58	0.70
	0.015	153	50	0.75
	0.018	183	47	0.85
	0.022	223	40	0.88
	0.027	273	37	1.00
	0.033	333	33	1.09
	0.039	393	30	1.17
	0.047	473	27	1.27
	0.056	563	25	1.40
	0.068	683	23	1.56
	0.082	823	21	1.72
	0.10	104	19	1.90
	0.12	124	17	2.04
	0.15	154	15	2.25
	0.18	184	13	2.34
	0.22	224	12	2.64
	0.27	274	11	2.97
	0.33	334	10	3.30
	0.39	394	8	3.12
	0.47	474	7	3.29
	0.56	564	6	3.36
	0.68	684	5	3.40
	0.82	824	4	3.28
	1.00	105	3	3.00

Voltage Derating by Temperature



*Permissible voltage graph is the case of sine waveform. When you use this product, peak voltage must not exceed DC rated voltage.
*The current(0-P) value is calculated using nominal capacitance.

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