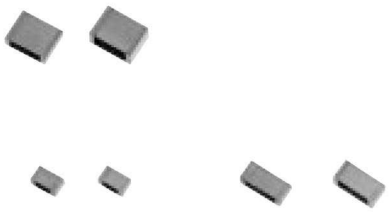
Series: PPC (High Grade)

Stacked metallized PPS film as dielectric with simple mold-less construction.



FEATURES

- New 0603 Case (Small in size minimum size 1.6 x 0.8 mm)
- Reflow Solderable

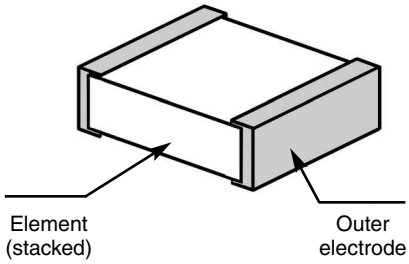
RECOMMENDED APPLICATIONS

- Filtering
- Oscillation and resonance
- Time-constant

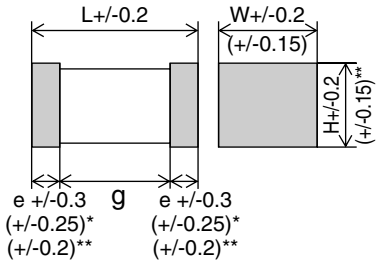
SPECIFICATIONS

Operating temp. range	–55 to +125˚C
Rated voltage	16VDC, 50VDC
Capacitance range	0.0001 to 0.1 µF (E12)
Capacitance tolerance	±2%(G), ±5%(J)
Withstand voltage	Between terminals: Rated volt. (VDC) x 175% 1 to 5s
Dissipation factor	< =0.6%(20˚C, 1kHz)
Insulation resistance	16VDC: ≥3000MΩ (20˚C, 10VDC 60s) 50VDC: ≥3000MΩ (20˚C, 50VDC 60s)
Soldering conditions	Flow soldering: 260˚C max. 5 sec. max. Reflow soldering: 260˚C max. and 30 sec. max. at more than 230˚C (Temp. at cap. surface)

CONSTRUCTION



DIMENSIONS IN MM (NOT TO SCALE)



*To be applied only for size code B & C

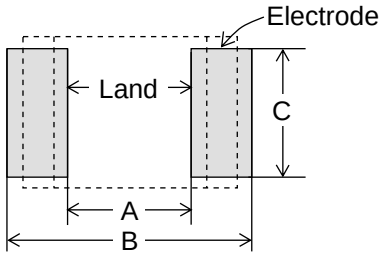
**To be applied only for size code A

Size code	L	W	H	e	G
A	1.6	0.8	0.7	0.35	0.4
B	2.0	1.25	0.9	0.45	min 0.6
C	2.0	1.25	1.1	0.45	min 0.6
D	3.2	1.6	0.9	0.65	min 1.0
E	3.2	1.6	1.1	0.65	min 1.0
F	3.2	1.6	1.5	0.65	min 1.0
G	3.2	2.5	1.1	0.65	min 1.0
H	3.2	2.5	1.5	0.65	min 1.0
I	3.2	2.5	2.1	0.65	min 1.0

RATING, DIMENSIONS & QUANTITY/REEL

Cap. (µF)	Rating volt. 16VDC						Rating volt. 50VDC					
		Dimensions (mm)						Dimensions (mm)				
	Part No.	L	W	H	Code	Qty	Part No.	L	W	H	Code	Qty
0.0001	PPC101□16TA	1.6	0.8	0.7	A	4,000	PPC101□50TB	2.0	1.25	0.9	B	3000
0.00012	PPC121□16TA	1.6	0.8	0.7	A	4,000	PPC121□50TB	2.0	1.25	0.9	B	3000
0.00015	PPC151□16TA	1.6	0.8	0.7	A	4,000	PPC151□50TB	2.0	1.25	0.9	B	3000
0.00018	PPC181□16TA	1.6	0.8	0.7	A	4,000	PPC181□50TB	2.0	1.25	0.9	B	3000
0.00022	PPC221□16TA	1.6	0.8	0.7	A	4,000	PPC221□50TB	2.0	1.25	0.9	B	3000
0.00027	PPC271□16TA	1.6	0.8	0.7	A	4,000	PPC271□50TB	2.0	1.25	0.9	B	3000
0.00033	PPC331□16TA	1.6	0.8	0.7	A	4,000	PPC331□50TB	2.0	1.25	0.9	B	3000
0.00039	PPC391□16TA	1.6	0.8	0.7	A	4,000	PPC391□50TB	2.0	1.25	0.9	B	3000
0.00047	PPC471□16TA	1.6	0.8	0.7	A	4,000	PPC471□50TB	2.0	1.25	0.9	B	3000
0.00056	PPC561□16TA	1.6	0.8	0.7	A	4,000	PPC561□50TB	2.0	1.25	0.9	B	3000
0.00068	PPC681□16TA	1.6	0.8	0.7	A	4,000	PPC681□50TB	2.0	1.25	0.9	B	3000
0.00082	PPC821□16TA	1.6	0.8	0.7	A	4,000	PPC821□50TB	2.0	1.25	0.9	B	3000
0.001	PPC102□16TA	1.6	0.8	0.7	A	4,000	PPC102□50TB	2.0	1.25	0.9	B	3000
0.0012	PPC122□16TA	1.6	0.8	0.7	A	4,000	PPC122□50TB	2.0	1.25	0.9	B	3000
0.0015	PPC152□16TA	1.6	0.8	0.7	A	4,000	PPC152□50TB	2.0	1.25	0.9	B	3000
0.0018	PPC182□16TA	1.6	0.8	0.7	A	4,000	PPC182□50TB	2.0	1.25	0.9	B	3000
0.0022	PPC222□16TA	1.6	0.8	0.7	A	4,000	PPC222□50TB	2.0	1.25	0.9	B	3000
0.0027	PPC272□16TA	1.6	0.8	0.7	A	4,000	PPC272□50TB	2.0	1.25	0.9	B	3000
0.0033	PPC332□16TB	2.0	1.25	0.9	B	3000	PPC332□50TD	3.2	1.6	0.9	D	3000
0.0039	PPC392□16TB	2.0	1.25	0.9	B	3000	PPC392□50TD	3.2	1.6	0.9	D	3000
0.0047	PPC472□16TB	2.0	1.25	0.9	B	3000	PPC472□50TD	3.2	1.6	0.9	D	3000
0.0056	PPC562□16TB	2.0	1.25	0.9	B	3000	PPC562□50TD	3.2	1.6	0.9	D	3000
0.0068	PPC682□16TB	2.0	1.25	0.9	B	3000	PPC682□50TD	3.2	1.6	0.9	D	3000
0.0082	PPC822□16TC	2.0	1.25	1.1	C	3000	PPC822□50TE	3.2	1.6	1.1	E	3000
0.01	PPC103□16TC	2.0	1.25	1.1	C	3000	PPC103□50TE	3.2	1.6	1.1	E	3000
0.012	PPC123□16TD	3.2	1.6	0.9	D	3000	PPC123□50TG	3.2	2.5	1.1	G	2000
0.015	PPC153□16TD	3.2	1.6	0.9	D	3000	PPC153□50TG	3.2	2.5	1.1	G	2000
0.018	PPC183□16TD	3.2	1.6	0.9	D	3000	PPC183□50TH	3.2	2.5	1.5	H	2000
0.022	PPC223□16TD	3.2	1.6	0.9	D	3000	PPC223□50TH	3.2	2.5	1.5	H	2000
0.027	PPC273□16TE	3.2	1.6	1.1	E	3000	PPC273□50TH	3.2	2.5	1.5	H	2000
0.033	PPC333□16TE	3.2	1.6	1.1	E	3000	PPC333□50TI	3.2	2.5	2.1	I	2000
0.039	PPC393□16TF	3.2	1.6	1.5	F	2000	PPC393□50TI	3.2	2.5	2.1	I	2000
0.047	PPC473□16TF	3.2	1.6	1.5	F	2000						
0.056	PPC563□16TH	3.2	2.5	1.5	H	2000						
0.068	PPC683□16TH	3.2	2.5	1.5	H	2000						
0.082	PPC823□16TI	3.2	2.5	2.1	I	2000						
0.1	PPC104□16TI	3.2	2.5	2.1	I	2000						

EXAMPLE FOR LAND DIMENSIONS (MM)



Size Code	Pad Layout for Reflow soldering		
	A	B	C
A	0.6	2.0	0.7
B, C	0.8	2.4	1.1
D, E, F	1.8	3.6	1.4
G, H, I	1.8	3.6	2.3