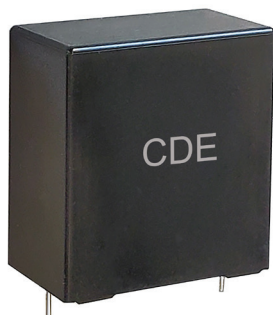


Type PPH, Double Metallized Polypropylene Film Pulse Capacitors

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified



The PPH series is constructed of metallized polypropylene film with double-sided metallized film encapsulated with epoxy resin in a plastic box, with 2 tinned copper wires. The PPH series is suitable for harsh environmental condition and qualify in accordance to AEC-Q200 requirement.

Highlights

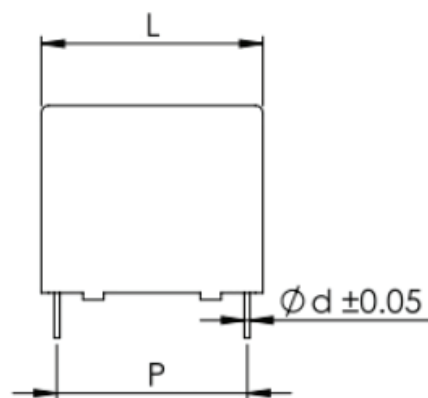
- High ripple current
- Self healing property, low losses
- Small inherent temperature rise
- High contact reliability
- Operating temperature range: 55°C to 105°C
- Lead space (pitch): 15mm - 37.5mm
- Suitable for harsh environment al conditions
- THB 2000h 85°C 85% RH, 2000 hours, U_{NDC}
- Automotive Grade (AEC Q200)

Specifications

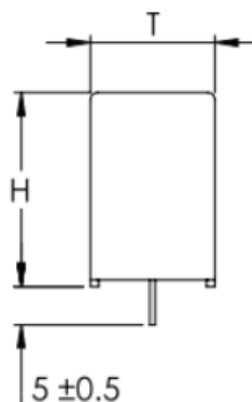
Capacitance Range	0.001 to 4.7 μ F
Capacitance Tolerance	\pm 5% or \pm 10% at +25°C
Rated Voltage	630 to 2000 Vdc
Operating Temperature Range	-55°C to 105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Dissipation factor	0.0010 (0.1%) at 25°C, 1kHz
Insulation Resistance	R between leads, for $C \leq 0.33 \mu$ F at 100 V; 1 min > 100 000 M Ω RC between leads, for $C > 0.33 \mu$ F at 100 V; 1 min > 30 000 s
Test Voltage between Terminals U_{TT}	1.5 x VR VDC for 10 seconds (between terminations) @ +25°C \pm 5°C
Test Voltage between Terminals & Case U_{TC}	3000VAC, 60s(at+20+/-2°C)
Life Test	2,000 h @ 85°C, 125% rated DC voltage
Life Expectancy	100,000 hours (U_R , $\Theta_{hotspot}$ =85°C)

Regulatory Information

Dimensions



All Dimensions in mm



Construction Diagram



85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

Part Numbering System

PPH Series	105 Capacitance	K Tolerance	102 Voltage	G20 Case size
I PPH	I EIA Cap Code 124 = 0.12 µF 105 = 1.0 µF 156 = 15 uF	I K = ±10% Standard J = ±5% Optional	I 600 = 600VDC 102 = 1000VDC	I See Size Code Table

Size and Code Table

Size Code	Dimensions (mm)						Pitch (mm) P	Lead Wire (mm) Ød
	L	Tol. ±	H	Tol. ±	T	Tol. ±		
E10	18	0.5	11	0.5	5	0.5	15	0.8
E11	18	0.5	12	0.5	6	0.5	15	0.8
E15	18	0.5	13	0.5	7	0.5	15	0.8
E13	18	0.5	13.5	0.5	7.5	0.5	15	0.8
E14	18	0.5	14.5	0.5	8.5	0.5	15	0.8
E16	18	0.5	16	0.5	9	0.5	15	0.8
E20	18	0.5	16	0.5	10	0.5	15	0.8
E21	18	0.5	19	0.5	11	0.5	15	0.8
G10	26	0.5	15.5	0.5	6	0.5	22.5	0.8
G11	26	0.5	16.5	0.5	7	0.5	22.5	0.8
G12	26	0.5	17	0.5	8.5	0.5	22.5	0.8
G20	26	0.5	19	0.5	10	0.5	22.5	0.8
G21	26	0.5	20	0.5	11	0.5	22.5	0.8
G22	26	0.5	22	0.5	12	0.5	22.5	0.8
G26	26	0.8	25	0.8	13	0.8	22.5	0.8
G24	26	0.5	30	0.5	15	0.5	22.5	0.8
H10	32	0.8	17	0.8	8	0.8	27.5	0.8
H11	32	0.8	18	0.8	9	0.8	27.5	0.8
H20	32	0.8	20	0.8	11	0.8	27.5	0.8
H21	32	0.8	22	0.8	13	0.8	27.5	0.8
H22	32	0.8	24.5	0.8	13	0.8	27.5	0.8
H23	32	0.8	24.0	0.8	14	0.8	27.5	0.8
H24	32	0.8	28	0.8	14	0.8	27.5	0.8
H26	32	0.8	30	0.8	16	0.8	27.5	0.8
H28	32	0.8	33	0.8	18	0.8	27.5	0.8
H30	32	0.8	37	0.8	22	0.8	27.5	0.8
N21	42	0.8	24	0.8	13	0.8	37.5	1.0
N24	42	0.8	28	0.8	17	0.8	37.5	1.0
N26	42	0.8	32	0.8	19	0.8	37.5	1.0
N30	42	0.8	40	0.8	20	0.8	37.5	1.0
N32	42	0.8	44	0.8	24	0.8	37.5	1.0
N40	42	0.8	45	0.8	30	0.8	37.5	1.0
N41	42	0.8	50	0.8	35	0.8	37.5	1.0
N20	42	0.8	22	0.8	11	0.8	37.5	1.0
N22	42	0.8	28.5	0.8	16	0.8	37.5	1.0
N34	42	0.8	43	0.8	28	0.8	37.5	1.0

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

Ratings

Part Number	Cap (µF)	Dimensions					dv/dt (V/us)	Ød (mm)
		L (mm)	H (mm)	T (mm)	P (mm)			
630 VDC / 400VAC								
PPH103K630E10	0.010	18	11	5	15	3000	0.8	
PPH123K630E10	0.012	18	11	5	15	3000	0.8	
PPH153K630E10	0.015	18	11	5	15	3000	0.8	
PPH183K630E10	0.018	18	11	5	15	3000	0.8	
PPH203K630E10	0.020	18	11	5	15	3000	0.8	
PPH223K630E10	0.022	18	11	5	15	3000	0.8	
PPH273K630E11	0.027	18	12	6	15	3000	0.8	
PPH333K630E11	0.033	18	12	6	15	3000	0.8	
PPH393K630E11	0.039	18	12	6	15	3000	0.8	
PPH473K630E13	0.047	18	13.5	7.5	15	3000	0.8	
PPH563K630E13	0.056	18	13.5	7.5	15	3000	0.8	
PPH683K630E14	0.068	18	14.5	8.5	15	3000	0.8	
PPH823K630E20	0.082	18	16	10	15	3000	0.8	
PPH104K630E20	0.10	18	16	10	15	3000	0.8	
PPH124K630E21	0.12	18	19	11	15	3000	0.8	
PPH473K630G10	0.047	26	15.5	6	22.5	1500	0.8	
PPH563K630G10	0.056	26	15.5	6	22.5	1500	0.8	
PPH683K630G10	0.068	26	15.5	6	22.5	1500	0.8	
PPH823K630G10	0.082	26	15.5	6	22.5	1500	0.8	
PPH104K630G10	0.10	26	15.5	6	22.5	1500	0.8	
PPH124K630G11	0.12	26	16.5	7	22.5	1500	0.8	
PPH154K630G12	0.15	26	17	8.5	22.5	1500	0.8	
PPH184K630G12	0.18	26	17	8.5	22.5	1500	0.8	
PPH224K630G20	0.22	26	19	10	22.5	1500	0.8	
PPH274K630G21	0.27	26	20	11	22.5	1500	0.8	
PPH334K630G21	0.33	26	20	11	22.5	1500	0.8	
PPH394K630G22	0.39	26	22	12	22.5	1500	0.8	
PPH154K630H10	0.15	32	17	8	27.5	900	0.8	
PPH184K630H10	0.18	32	17	8	27.5	900	0.8	
PPH224K630H11	0.22	32	18	9	27.5	900	0.8	
PPH274K630H20	0.27	32	20	11	27.5	900	0.8	
PPH334K630H20	0.33	32	20	11	27.5	900	0.8	
PPH394K630H20	0.39	32	20	11	27.5	900	0.8	
PPH474K630H21	0.47	32	22	13	27.5	900	0.8	
PPH564K630H21	0.56	32	22	13	27.5	900	0.8	
PPH684K630H22	0.68	32	24.5	13	27.5	900	0.8	
PPH824K630H24	0.82	32	28	14	27.5	900	0.8	
PPH105K630H28	1.0	32	33	18	27.5	900	0.8	
PPH125K630H28	1.2	32	33	18	27.5	900	0.8	
PPH155K630H30	1.5	32	37	22	27.5	900	1	

Part Number	Cap (µF)	Dimensions					dv/dt (V/us)	Ød (mm)
		L (mm)	H (mm)	T (mm)	P (mm)			
630 VDC / 400VAC								
PPH185K630H30	1.8	32	37	22	27.5	900	1	
PPH334K630N20	0.33	42	22	11	37.5	500	1	
PPH474K630N20	0.47	42	22	11	37.5	500	1	
PPH564K630N20	0.56	42	22	11	37.5	500	1	
PPH684K630N20	0.68	42	22	11	37.5	500	1	
PPH824K630N22	0.82	42	28.5	16	37.5	500	1	
PPH105K630N22	1.0	42	28.5	16	37.5	500	1	
PPH155K630N22	1.5	42	28.5	16	37.5	500	1	
PPH185K630N26	1.8	42	32	19	37.5	500	1	
PPH225K630N30	2.2	42	40	20	37.5	500	1	
PPH275K630N30	2.7	42	40	20	37.5	500	1	
PPH335K630N32	3.3	42	44	24	37.5	500	1	
PPH395K630N40	3.9	42	45	30	37.5	500	1	
PPH475K630N41	4.7	42	50	35	37.5	500	1	
1000 Vdc (600 Vac)								
PPH822K102E10	0.008	18	11	5	15	3500	0.8	
PPH103K102E10	0.01	18	11	5	15	3500	0.8	
PPH123K102E10	0.012	18	11	5	15	3500	0.8	
PPH153K102E10	0.015	18	11	5	15	3500	0.8	
PPH183K102E10	0.018	18	11	5	15	3500	0.8	
PPH203K102E11	0.02	18	12	6	15	3500	0.8	
PPH223K102E11	0.022	18	12	6	15	3500	0.8	
PPH273K102E13	0.027	18	13.5	7.5	15	3500	0.8	
PPH333K102E13	0.033	18	13.5	7.5	15	3500	0.8	
PPH393K102E14	0.039	18	14.5	8.5	15	3500	0.8	
PPH473K102E14	0.047	18	14.5	8.5	15	3500	0.8	
PPH273K102G10	0.027	26	15.5	6	22.5	2100	0.8	
PPH333K102G10	0.033	26	15.5	6	22.5	2100	0.8	
PPH393K102G10	0.04	26	15.5	6	22.5	2100	0.8	
PPH473K102G11	0.047	26	16.5	7	22.5	2100	0.8	
PPH563K102G11	0.056	26	16.5	7	22.5	2100	0.8	
PPH683K102G12	0.068	26	17	8.5	22.5	2100	0.8	
PPH823K102G20	0.082	26	19	10	22.5	2100	0.8	
PPH104K102G20	0.1	26	19	10	22.5	2100	0.8	
PPH124K102G21	0.12	26	20	11	22.5	2100	0.8	
PPH154K102G22	0.15	26	22	12	22.5	2100	0.8	
PPH104K102H10	0.1	32	17	8	27.5	1000	0.8	
PPH124K102H11	0.12	32	18	9	27.5	1000	0.8	
PPH154K102H20	0.15	32	20	11	27.5	1000	0.8	
PPH184K102H21	0.18	32	22	13	27.5	1000	0.8	

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

Part Number	Cap (µF)	Dimensions					dv/dt (V/us)	Ød (mm)
		L (mm)	H (mm)	T (mm)	P (mm)			
1000 Vdc (600 Vac)								
PPH224K102H21	0.22	32	22	13	27.5	1000	0.8	
PPH274K102H22	0.27	32	24.5	13	27.5	1000	0.8	
PPH334K102H24	0.33	32	28	14	27.5	1000	0.8	
PPH394K102H28	0.39	32	33	18	27.5	1000	0.8	
PPH474K102H28	0.47	32	33	18	27.5	1000	0.8	
PPH564K102H30	0.56	32	37	22	27.5	1000	1	
PPH684K102H30	0.68	32	37	22	27.5	1000	1	
PPH184K102N20	0.18	42	22	11	37.5	500	1	
PPH224K102N20	0.22	42	22	11	37.5	500	1	
PPH274K102N21	0.27	42	24	13	37.5	500	1	
PPH334K102N21	0.33	42	24	13	37.5	500	1	
PPH394K102N24	0.39	42	28	17	37.5	500	1	
PPH474K102N24	0.47	42	28	17	37.5	500	1	
PPH564K102N24	0.56	42	28	17	37.5	500	1	
PPH684K102N26	0.68	42	32	19	37.5	500	1	
PPH824K102N30	0.82	42	40	20	37.5	500	1	
PPH105K102N30	1	42	40	20	37.5	500	1	
PPH125K102N32	1.2	42	44	24	37.5	500	1	
PPH155K102N32	1.5	42	44	24	37.5	500	1	
PPH185K102N40	1.8	42	45	30	37.5	500	1	
PPH225K102N40	2.2	42	45	30	37.5	500	1	
1300 Vdc (620 Vac)								
PPH822K132E10	0.008	18	11	5	15	3500	0.8	
PPH103K132E10	0.01	18	11	5	15	3500	0.8	
PPH123K132E10	0.012	18	11	5	15	3500	0.8	
PPH153K132E10	0.015	18	11	5	15	3500	0.8	
PPH183K132E11	0.018	18	12	6	15	3500	0.8	
PPH203K132E11	0.02	18	12	6	15	3500	0.8	
PPH223K132E15	0.022	18	13	7	15	3500	0.8	
PPH273K132E13	0.027	18	13.5	7.5	15	3500	0.8	
PPH333K132E14	0.033	18	14.5	8.5	15	3500	0.8	
PPH393K132E16	0.039	18	16	9	15	3500	0.8	
PPH473K132E20	0.047	18	16	10	15	3500	0.8	
PPH563K132E21	0.056	18	19	11	15	3500	0.8	
PPH273K132G10	0.027	26	15.5	6	22.5	2100	0.8	
PPH333K132G10	0.033	26	15.5	6	22.5	2100	0.8	
PPH393K132G10	0.039	26	15.5	6	22.5	2100	0.8	
PPH473K132G11	0.047	26	16.5	7	22.5	2100	0.8	
PPH563K132G11	0.056	26	16.5	7	22.5	2100	0.8	
PPH683K132G12	0.068	26	17	8.5	22.5	2100	0.8	

Part Number	Cap (µF)	Dimensions					dv/dt (V/us)	Ød (mm)
		L (mm)	H (mm)	T (mm)	P (mm)			
1300 Vdc (620 Vac)								
PPH823K132G20	0.082	26	19	10	22.5	2100	0.8	
PPH104K132G20	0.100	26	19	10	22.5	2100	0.8	
PPH124K132G21	0.120	26	20	11	22.5	2100	0.8	
PPH154K132G22	0.15	26	22	12	22.5	2100	0.8	
PPH184K132G26	0.18	26	24.5	13	22.5	2100	0.8	
PPH224K132G24	0.22	26	29.5	14.5	22.5	2100	0.8	
PPH104K132H10	0.100	32	17	8	27.5	1000	0.8	
PPH124K132H11	0.120	32	18	9	27.5	1000	0.8	
PPH154K132H20	0.15	32	20	11	27.5	1000	0.8	
PPH184K132H21	0.18	32	22	13	27.5	1000	0.8	
PPH224K132H21	0.22	32	22	13	27.5	1000	0.8	
PPH274K132H23	0.270	32	24	14	27.5	1000	0.8	
PPH334K132H24	0.330	32	28	14	27.5	1000	0.8	
PPH394K132H26	0.39	32	30	16	27.5	1000	0.8	
PPH474K132H28	0.47	32	33	18	27.5	1000	0.8	
PPH564K132H30	0.56	32	37	22	27.5	1000	1	
PPH684K132H30	0.680	32	37	22	27.5	1000	1	
PPH184K132N20	0.180	42	22	11	37.5	500	1	
PPH224K132N20	0.22	42	22	11	37.5	500	1	
PPH274K132N21	0.27	42	24	13	37.5	500	1	
PPH334K132N21	0.33	42	24	13	37.5	500	1	
PPH394K132N24	0.390	42	28	17	37.5	500	1	
PPH474K132N24	0.470	42	28	17	37.5	500	1	
PPH564K132N24	0.56	42	28	17	37.5	500	1	
PPH684K132N26	0.68	42	32	19	37.5	500	1	
PPH824K132N30	0.82	42	40	20	37.5	500	1	
PPH105K132N30	1.000	42	40	20	37.5	500	1	
PPH125K132N32	1.200	42	44	24	37.5	500	1	
PPH155K132N34	1.5	42	43	28	37.5	500	1	
PPH185K132N40	1.8	42	45	30	37.5	500	1	
1600 Vdc (650 Vac)								
PPH332K162E10	0.003	18	11	5	15	6000	0.8	
PPH472K162E10	0.005	18	11	5	15	6000	0.8	
PPH562K162E10	0.006	18	11	5	15	6000	0.8	
PPH682K162E10	0.007	18	11	5	15	6000	0.8	
PPH822K162E10	0.008	18	11	5	15	6000	0.8	
PPH103K162E10	0.01	18	11	5	15	6000	0.8	
PPH123K162E11	0.012	18	12	6	15	6000	0.8	
PPH153K162E11	0.015	18	12	6	15	6000	0.8	
PPH183K162E13	0.018	18	13.5	7.5	15	6000	0.8	
PPH223K162E13	0.022	18	13.5	7.5	15	6000	0.8	

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

Dimensions								Dimensions							
Part Number	Cap (µF)	L (mm)	H (mm)	T (mm)	P (mm)	dv/dt (V/us)	Ød (mm)	Part Number	Cap (µF)	L (mm)	H (mm)	T (mm)	P (mm)	dv/dt (V/us)	Ød (mm)
1600 Vdc (650 Vac)								2000 Vdc (700 Vac)							
PPH273K162E14	0.027	18	14.5	8.5	15	6000	0.8	PPH102K202E10	0.001	18	11	5	15	9500	0.8
PPH333K162E14	0.033	18	14.5	8.5	15	6000	0.8	PPH122K202E10	0.001	18	11	5	15	9500	0.8
PPH153K162G10	0.015	26	15.5	6	22.5	3000	0.8	PPH152K202E10	0.002	18	11	5	15	9500	0.8
PPH223K162G10	0.022	26	15.5	6	22.5	3000	0.8	PPH182K202E10	0.002	18	11	5	15	9500	0.8
PPH333K162G10	0.033	26	15.5	6	22.5	3000	0.8	PPH222K202E10	0.002	18	11	5	15	9500	0.8
PPH393K162G11	0.039	26	16.5	7	22.5	3000	0.8	PPH272K202E10	0.003	18	11	5	15	9500	0.8
PPH473K162G11	0.047	26	16.5	7	22.5	3000	0.8	PPH332K202E10	0.003	18	11	5	15	9500	0.8
PPH563K162G12	0.056	26	17	8.5	22.5	3000	0.8	PPH392K202E10	0.004	18	11	5	15	9500	0.8
PPH683K162G20	0.068	26	19	10	22.5	3000	0.8	PPH472K202E10	0.005	18	11	5	15	9500	0.8
PPH823K162G20	0.082	26	19	10	22.5	3000	0.8	PPH562K202E11	0.006	18	12	6	15	9500	0.8
PPH104K162G21	0.1	26	20	11	22.5	3000	0.8	PPH682K202E11	0.007	18	12	6	15	9500	0.8
PPH393K162H10	0.039	32	17	8	27.5	2000	0.8	PPH822K202E11	0.008	18	12	6	15	9500	0.8
PPH473K162H10	0.047	32	17	8	27.5	2000	0.8	PPH103K202E13	0.01	18	13.5	7.5	15	9500	0.8
PPH563K162H10	0.056	32	17	8	27.5	2000	0.8	PPH123K202E14	0.012	18	14.5	8.5	15	9500	0.8
PPH683K162H11	0.068	32	18	9	27.5	2000	0.8	PPH153K202E14	0.015	18	14.5	8.5	15	9500	0.8
PPH823K162H20	0.082	32	20	11	27.5	2000	0.8	PPH183K202E20	0.018	18	16	10	15	9500	0.8
PPH104K162H21	0.1	32	22	13	27.5	2000	0.8	PPH102K202G10	0.001	26	15.5	6	22.5	4500	0.8
PPH124K162H21	0.12	32	22	13	27.5	2000	0.8	PPH122K202G10	0.001	26	15.5	6	22.5	4500	0.8
PPH154K162H22	0.15	32	24.5	13	27.5	2000	0.8	PPH152K202G10	0.002	26	15.5	6	22.5	4500	0.8
PPH184K162H24	0.18	32	28	14	27.5	2000	0.8	PPH182K202G10	0.002	26	15.5	6	22.5	4500	0.8
PPH224K162H28	0.22	32	33	18	27.5	2000	0.8	PPH222K202G10	0.002	26	15.5	6	22.5	4500	0.8
PPH274K162H28	0.27	32	33	18	27.5	2000	0.8	PPH272K202G10	0.003	26	15.5	6	22.5	4500	0.8
PPH334K162H28	0.33	32	33	18	27.5	2000	0.8	PPH332K202G10	0.003	26	15.5	6	22.5	4500	0.8
PPH394K162H30	0.39	32	37	22	27.5	2000	1	PPH392K202G10	0.004	26	15.5	6	22.5	4500	0.8
PPH474K162H30	0.47	32	37	22	27.5	2000	1	PPH472K202G10	0.005	26	15.5	6	22.5	4500	0.8
PPH823K162N20	0.082	42	22	11	37.5	1200	1	PPH562K202G10	0.006	26	15.5	6	22.5	4500	0.8
PPH104K162N20	0.1	42	22	11	37.5	1200	1	PPH682K202G10	0.007	26	15.5	6	22.5	4500	0.8
PPH124K162N20	0.12	42	22	11	37.5	1200	1	PPH822K202G10	0.008	26	15.5	6	22.5	4500	0.8
PPH154K162N20	0.15	42	22	11	37.5	1200	1	PPH103K202G10	0.01	26	15.5	6	22.5	4500	0.8
PPH184K162N21	0.18	42	24	13	37.5	1200	1	PPH123K202G10	0.012	26	15.5	6	22.5	4500	0.8
PPH224K162N21	0.22	42	24	13	37.5	1200	1	PPH153K202G10	0.015	26	15.5	6	22.5	4500	0.8
PPH274K162N21	0.27	42	24	13	37.5	1200	1	PPH183K202G10	0.018	26	15.5	6	22.5	4500	0.8
PPH334K162N22	0.33	42	28.5	16	37.5	1200	1	PPH223K202G11	0.022	26	16.5	7	22.5	4500	0.8
PPH394K162N22	0.39	42	28.5	16	37.5	1200	1	PPH273K202G11	0.027	26	16.5	7	22.5	4500	0.8
PPH474K162N26	0.47	42	32	19	37.5	1200	1	PPH333K202G12	0.033	26	17	8.5	22.5	4500	0.8
PPH564K162N30	0.56	42	40	20	37.5	1200	1	PPH393K202G20	0.039	26	19	10	22.5	4500	0.8
PPH684K162N30	0.68	42	40	20	37.5	1200	1	PPH473K202G20	0.047	26	19	10	22.5	4500	0.8
PPH824K162N32	0.82	42	44	24	37.5	1200	1	PPH563K202G21	0.056	26	20	11	22.5	4500	0.8
PPH105K162N32	1	42	44	24	37.5	1200	1	PPH223K202H10	0.022	32	17	8	27.5	2500	0.8
PPH125K162N40	1.2	42	45	30	37.5	1200	1	PPH273K202H10	0.027	32	17	8	27.5	2500	0.8

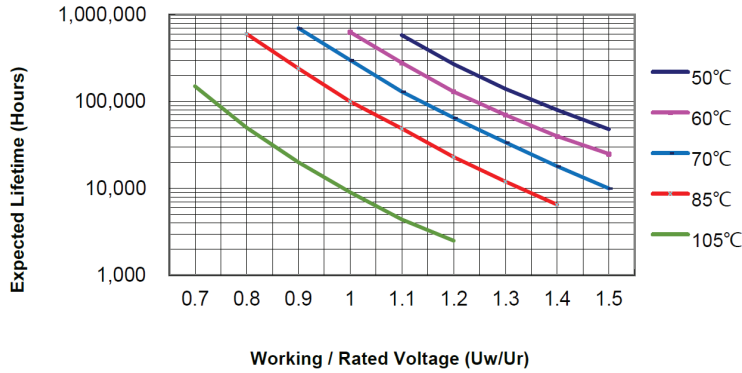
85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

Part Number	Dimensions						
	Cap (µF)	L (mm)	H (mm)	T (mm)	P (mm)	dv/dt (V/us)	Ød (mm)
2000 Vdc (700 Vac)							
PPH333K202H11	0.033	32	18	9	27.5	2500	0.8
PPH393K202H20	0.039	32	20	11	27.5	2500	0.8
PPH473K202H20	0.047	32	20	11	27.5	2500	0.8
PPH563K202H21	0.056	32	22	13	27.5	2500	0.8
PPH683K202H21	0.068	32	22	13	27.5	2500	0.8
PPH823K202H22	0.082	32	24.5	13	27.5	2500	0.8
PPH104K202H24	0.1	32	28	14	27.5	2500	0.8
PPH124K202H28	0.12	32	33	18	27.5	2500	0.8
PPH154K202H28	0.15	32	33	18	27.5	2500	0.8
PPH184K202H30	0.18	32	37	22	27.5	2500	1
PPH224K202H30	0.22	32	37	22	27.5	2500	1
PPH333K202N20	0.033	42	22	11	37.5	1500	1
PPH393K202N20	0.039	42	22	11	37.5	1500	1
PPH473K202N20	0.047	42	22	11	37.5	1500	1
PPH563K202N20	0.056	42	22	11	37.5	1500	1
PPH683K202N20	0.068	42	22	11	37.5	1500	1
PPH823K202N20	0.082	42	22	11	37.5	1500	1
PPH104K202N21	0.1	42	24	13	37.5	1500	1
PPH124K202N21	0.12	42	24	13	37.5	1500	1
PPH154K202N22	0.15	42	28.5	16	37.5	1500	1

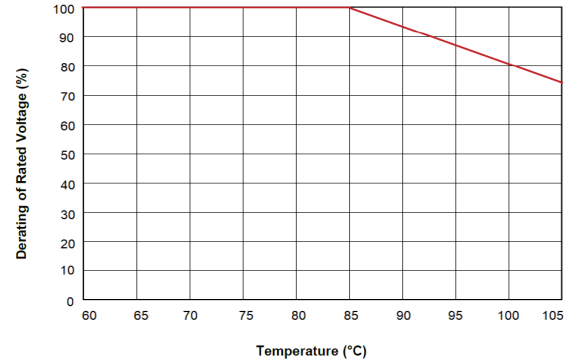
Part Number	Dimensions						
	Cap (µF)	L (mm)	H (mm)	T (mm)	P (mm)	dv/dt (V/us)	Ød (mm)
2000 Vdc (700 Vac)							
PPH184K202N22	0.180	42	28.5	16	37.5	1500	1
PPH224K202N26	0.22	42	32	19	37.5	1500	1
PPH274K202N30	0.27	42	40	20	37.5	1500	1
PPH334K202N30	0.33	42	40	20	37.5	1500	1
PPH394K202N32	0.39	42	44	24	37.5	1500	1
PPH474K202N32	0.47	42	44	24	37.5	1500	1
PPH564K202N40	0.56	42	45	30	37.5	1500	1
PPH684K202N40	0.68	42	45	30	37.5	1500	1
PPH823K202N20	0.082	42	22	11	37.5	1500	1
PPH104K202N21	0.1	42	24	13	37.5	1500	1
PPH124K202N21	0.12	42	24	13	37.5	1500	1
PPH154K202N22	0.15	42	28.5	16	37.5	1500	1
PPH184K202N22	0.180	42	28.5	16	37.5	1500	1
PPH224K202N26	0.22	42	32	19	37.5	1500	1
PPH274K202N30	0.27	42	40	20	37.5	1500	1
PPH334K202N30	0.33	42	40	20	37.5	1500	1
PPH394K202N32	0.39	42	44	24	37.5	1500	1
PPH474K202N32	0.47	42	44	24	37.5	1500	1
PPH564K202N40	0.56	42	45	30	37.5	1500	1
PPH684K202N40	0.68	42	45	30	37.5	1500	1

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

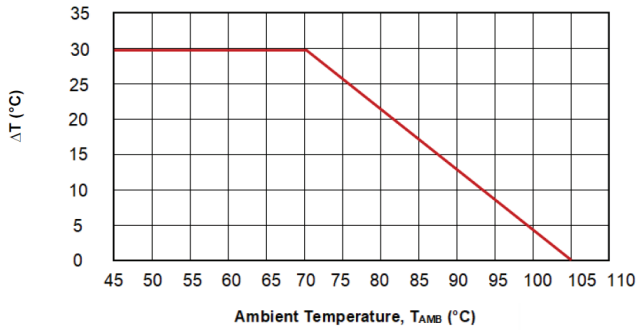
Expected Life Curve



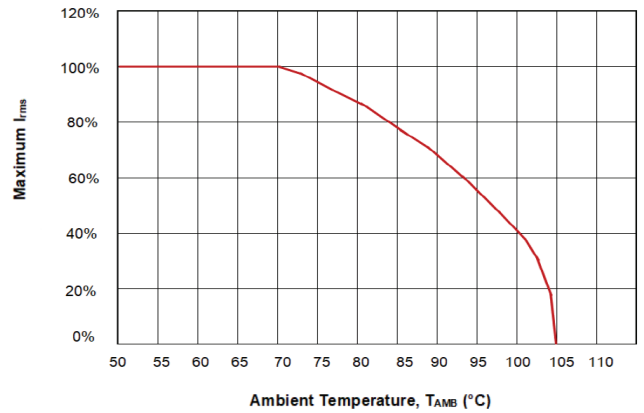
Derating of Rated Voltage Vs Ambient Temperature (T_{AMB})



Maximum Over-Temperature (ΔT) Vs Ambient Temperature (T_{AMB})



Maximum I_{rms} VS Ambient Temperature (T_{AMB})



V_{OP} = Maximum operating Voltage

T_{HS} = Highest hot spot temperature in the capacitor

T_{AMB} = Highest ambient temperature surrounding the capacitor

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

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