

Metallized Polypropylene Film Capacitors

FGB Series - 100 ~ 630VDC (DC & Pulse Applications)



Overview

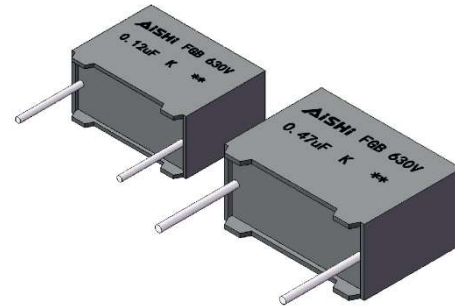
The FGB series is constructed of metallized polypropylene film encapsulated in plastic cases, sealed with epoxy resin.

Applications

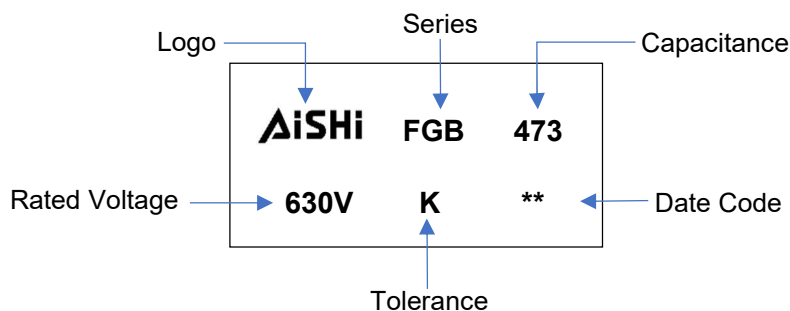
Widely used in high current and high frequency applications, DC/AC and pulse circuits and ballast & compacts lamps

Features

- High ripple current
- Self-healing property
- Low losses
- High contact reliability
- Suitable for high frequency applications



Marking



Manufacturing Date Code

Year	Code	Month	Code
2018	A	Jan	1
2019	B	Feb	2
2020	C	Mar	3
2021	D	Apr	4
2022	E	May	5
2023	F	Jun	6

Year	Code	Month	Code
2024	G	Jul	7
2025	H	Aug	8
2026	J	Sep	9
2027	K	Oct	A
2028	L	Nov	N
2029	M	Dec	D

Part Number System

F	GB	2G	K	105	F26	2FL	5
Capacitor Type	Series	Voltage (VDC)	Tolerance	Capacitance (pF)	Size Code	Terminal Code	Lead Length Code
F = Film	DC Film, Metallized PP Film	100=1K 250=2E 400=2G 630=2L	J = ±5% K = ±10%	First two digits = significant figures. Third digit = Number of zeros.	Refer to Size Code Table	Refer to Terminal Code Table	Refer to Lead Length Code Table

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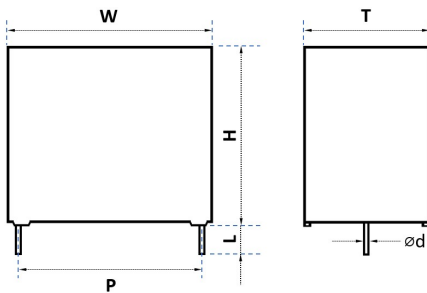
Terminal Code

Digit One (Lead/Terminal Type)		Digit Two (Lead Space)		Digit Three (Lead Ipsilateral)	
2 leads for long	L	10.0mm	C	N/A	L
2 leads for straight cut	2	12.5mm	D		
2 leads for forming cut	E	15.0mm	E		
2 leads for taping forming	T	22.5mm	F		
2 leads for taping straight	V	27.5mm	G		
		37.5mm	K		

Lead Length Code

Lead Length	
20mm min	L
35mm min	B
3.2mm	1
3.5mm	2
3.0mm	3
4.0mm	4
5.0mm	5
7.0mm	7
Taping	T
N/A	N

Dimension (mm)



Size Code Table (mm)

Size Code	Dimension						Pitch		Ød	
	W	Tolerance	H	Tolerance	T	Tolerance	P	Tolerance	2 Leads	Tolerance
C13	13.0	0.5	11.0	0.5	5.0	0.5	10.0	0.5	0.6	0.05
C16	13.0	0.5	12.0	0.5	6.0	0.5	10.0	0.5	0.6	0.05
E14	18.0	0.5	11.0	0.5	5.0	0.5	15.0	0.5	0.6	0.05
E17	18.0	0.5	12.0	0.5	6.0	0.5	15.0	0.5	0.6	0.05
E29	18.0	0.5	13.5	0.5	7.5	0.5	15.0	0.5	0.8	0.05
E34	18.0	0.5	14.5	0.5	8.5	0.5	15.0	0.5	0.8	0.05
E43	18.0	0.5	16.0	0.5	10.0	0.5	15.0	0.5	0.8	0.05
E47	18.0	0.5	19.0	0.5	11.0	0.5	15.0	0.5	0.8	0.05
F20	26.0	0.5	17.0	0.5	8.5	0.5	22.5	0.5	0.8	0.05
F24	26.0	0.5	19.0	0.5	10.0	0.5	22.5	0.5	0.8	0.05
F26	26.0	0.5	20.0	0.5	11.0	0.5	22.5	0.5	0.8	0.05
F29	26.0	0.5	23.0	0.5	13.0	0.5	22.5	0.5	0.8	0.05
G18	32.0	0.8	20.0	0.8	11.0	0.8	27.5	0.5	0.8	0.05
G21	32.0	0.8	22.0	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G22	32.0	0.8	24.5	0.8	13.0	0.8	27.5	0.5	0.8	0.05
G26	32.0	0.8	28.0	0.8	14.0	0.8	27.5	0.5	0.8	0.05
G34	32.0	0.8	33.0	0.8	18.0	0.8	27.5	0.5	0.8	0.05
G37	32.0	0.8	31.0	0.8	21.0	0.8	27.5	0.5	0.8	0.05
G40	32.0	0.8	37.0	0.8	22.0	0.8	27.5	0.5	0.8	0.05
K21	42.5	0.8	32.0	0.8	19.0	0.8	37.5	0.5	1.0	0.05
K24	42.5	0.8	40.0	0.8	20.0	0.8	37.5	0.5	1.0	0.05
K32	42.5	0.8	44.0	0.8	24.0	0.8	37.5	0.5	1.0	0.05
K42	42.5	0.8	45.0	0.8	30.0	0.8	37.5	0.5	1.0	0.05

Metallized Polypropylene Film Capacitors

FGB Series - 100 ~ 630VDC (DC & Pulse Applications)



Rating and Part Number

Vdc	Vac	Cap Value μF	Dimensions				Peak Current A	dv/dt V/us	Lead Wire mm	Part Number
			W mm	H mm	T mm	P mm				
100	50	0.1	13.0	11.0	5.0	10.0	18.0	180	0.6	FGB1KK104C132CL5
100	50	0.12	13.0	11.0	5.0	10.0	21.6	180	0.6	FGB1KK124C132CL5
100	50	0.15	13.0	11.0	5.0	10.0	27.0	180	0.6	FGB1KK154C132CL5
100	50	0.18	13.0	12.0	6.0	10.0	32.4	180	0.6	FGB1KK184C162CL5
100	50	0.22	13.0	12.0	6.0	10.0	39.6	180	0.6	FGB1KK224C162CL5
100	50	0.27	18.0	12.0	6.0	15.0	27.0	100	0.6	FGB1KK274E172EL5
100	50	0.33	18.0	12.0	6.0	15.0	33.0	100	0.6	FGB1KK334E172EL5
100	50	0.39	18.0	13.5	7.5	15.0	39.0	100	0.8	FGB1KK394E292EL5
100	50	0.47	18.0	13.5	7.5	15.0	47.0	100	0.8	FGB1KK474E292EL5
100	50	0.56	18.0	14.5	8.5	15.0	56.0	100	0.8	FGB1KK564E342EL5
100	50	0.68	18.0	14.5	8.5	15.0	68.0	100	0.8	FGB1KK684E342EL5
100	50	0.82	18.0	16.0	10.0	15.0	82.0	100	0.8	FGB1KK824E432EL5
100	50	1.0	18.0	16.0	10.0	15.0	100.0	100	0.8	FGB1KK105E432EL5
100	50	1.2	26.0	17.0	8.5	22.5	72.0	60	0.8	FGB1KK125F202FL5
100	50	1.5	26.0	19.0	10.0	22.5	90.0	60	0.8	FGB1KK155F242FL5
100	50	1.8	26.0	19.0	10.0	22.5	108.0	60	0.8	FGB1KK185F242FL5
100	50	2.2	32.0	20.0	11.0	27.5	110.0	50	0.8	FGB1KK225G182GL5
100	50	2.7	32.0	20.0	11.0	27.5	135.0	50	0.8	FGB1KK275G182GL5
100	50	3.3	32.0	22.0	13.0	27.5	165.0	50	0.8	FGB1KK335G212GL5
100	50	3.9	32.0	22.0	13.0	27.5	195.0	50	0.8	FGB1KK395G212GL5
100	50	4.7	32.0	24.5	13.0	27.5	235.0	50	0.8	FGB1KK475G222GL5
100	50	5.6	32.0	28.0	14.0	27.5	280.0	50	0.8	FGB1KK565G262GL5
100	50	68	32.0	33.0	18.0	27.5	3400.0	50	0.8	FGB1KK685G342GL5
100	50	82	32.0	33.0	18.0	27.5	4100.0	50	0.8	FGB1KK825G342GL5
100	50	10	32.0	31.0	21.0	27.5	500.0	50	0.8	FGB1KK106G372GL5
100	50	10	32.0	37.0	22.0	27.5	500.0	50	0.8	FGB1KK106G402GL5
100	50	12	32.0	37.0	22.0	27.5	600.0	50	0.8	FGB1KK126G402GL5
100	50	12	42.5	32.0	19.0	37.5	420.0	35	1.0	FGB1KK126K212KL5
100	50	15	42.5	40.0	20.0	37.5	525.0	35	1.0	FGB1KK156K242KL5
100	50	18	42.5	40.0	20.0	37.5	630.0	35	1.0	FGB1KK186K242KL5
100	50	22	42.5	44.0	24.0	37.5	770.0	35	1.0	FGB1KK226K322KL5
100	50	27	42.5	45.0	30.0	37.5	945.0	35	1.0	FGB1KK276K422KL5
100	50	33	42.5	45.0	30.0	37.5	1155.0	35	1.0	FGB1KK336K422KL5
250	160	0.033	13.0	11.0	5.0	10.0	18.2	550	0.6	FGB2EK333C132CL5
250	160	0.039	13.0	11.0	5.0	10.0	21.5	550	0.6	FGB2EK393C132CL5
250	160	0.047	13.0	11.0	5.0	10.0	25.9	550	0.6	FGB2EK473C132CL5
250	160	0.056	13.0	11.0	5.0	10.0	30.8	550	0.6	FGB2EK563C132CL5
250	160	0.068	13.0	11.0	5.0	10.0	37.4	550	0.6	FGB2EK683C132CL5
250	160	0.082	13.0	11.0	5.0	10.0	45.1	550	0.6	FGB2EK823C132CL5
250	160	0.1	13.0	11.0	5.0	10.0	55.0	550	0.6	FGB2EK104C132CL5
250	160	0.12	13.0	12.0	6.0	10.0	66.0	550	0.6	FGB2EK124C162CL5
250	160	0.15	13.0	12.0	6.0	10.0	82.5	550	0.6	FGB2EK154C162CL5
250	160	0.18	18.0	11.0	5.0	15.0	54.0	300	0.6	FGB2EK184E142EL5
250	160	0.22	18.0	11.0	5.0	15.0	66.0	300	0.6	FGB2EK224E142EL5
250	160	0.27	18.0	12.0	6.0	15.0	81.0	300	0.6	FGB2EK274E172EL5
250	160	0.33	18.0	12.0	6.0	15.0	99.0	300	0.6	FGB2EK334E172EL5
250	160	0.39	18.0	13.5	7.5	15.0	117.0	300	0.8	FGB2EK394E292EL5
250	160	0.47	18.0	13.5	7.5	15.0	141.0	300	0.8	FGB2EK474E292EL5

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Rating and Part Number

Vdc	Vac	Cap Value μF	Dimensions				Peak Current A	dv/dt V/us	Lead Wire mm	Part Number
			W mm	H mm	T mm	P mm				
250	160	0.56	18.0	13.5	7.5	15.0	168.0	300	0.8	FGB2EK564E292EL5
250	160	0.68	18.0	14.5	8.5	15.0	204.0	300	0.8	FGB2EK684E342EL5
250	160	0.82	18.0	16.0	10.0	15.0	246.0	300	0.8	FGB2EK824E432EL5
250	160	1.2	18.0	16.0	10.0	15.0	360.0	300	0.8	FGB2EK105E432EL5
250	160	1.2	18.0	19.0	11.0	15.0	360.0	300	0.8	FGB2EK125E472EL5
250	160	1.2	26.0	17.0	8.5	22.5	150.0	125	0.8	FGB2EK125F202FL5
250	160	1.5	26.0	19.0	10.0	22.5	187.5	125	0.8	FGB2EK155F242FL5
250	160	1.8	26.0	19.0	10.0	22.5	225.0	125	0.8	FGB2EK185F242FL5
250	160	2.2	26.0	20.0	11.0	22.5	275.0	125	0.8	FGB2EK225F262FL5
250	160	2.7	26.0	23.0	13.0	22.5	337.5	125	0.8	FGB2EK275F292FL5
250	160	3.3	26.0	23.0	13.0	22.5	412.5	125	0.8	FGB2EK335F292FL5
250	160	3.9	32.0	22.0	13.0	27.5	390.0	100	0.8	FGB2EK395G212GL5
250	160	4.7	32.0	24.5	13.0	27.5	470.0	100	0.8	FGB2EK475G222GL5
250	160	5.6	32.0	28.0	14.0	27.5	560.0	100	0.8	FGB2EK565G262GL5
250	160	6.8	32.0	33.0	18.0	27.5	680.0	100	0.8	FGB2EK685G342GL5
250	160	8.2	32.0	33.0	18.0	27.5	820.0	100	0.8	FGB2EK825G342GL5
250	160	10	32.0	37.0	22.0	27.5	1000.0	100	0.8	FGB2EK106G402GL5
250	160	12	42.5	32.0	19.0	37.5	480.0	40	1.0	FGB2EK126K212KL5
250	160	15	42.5	40.0	20.0	37.5	600.0	40	1.0	FGB2EK156K242KL5
250	160	22	42.5	44.0	24.0	37.5	880.0	40	1.0	FGB2EK226K322KL5
250	160	30	42.5	45.0	30.0	37.5	1200.0	40	1.0	FGB2EK306K422KL5
400	220	0.015	13.0	11.0	5.0	10.0	18.0	1200	0.6	FGB2GK153C132CL5
400	220	0.018	13.0	11.0	5.0	10.0	21.6	1200	0.6	FGB2GK183C132CL5
400	220	0.022	13.0	11.0	5.0	10.0	26.4	1200	0.6	FGB2GK223C132CL5
400	220	0.027	13.0	11.0	5.0	10.0	32.4	1200	0.6	FGB2GK273C132CL5
400	220	0.033	13.0	11.0	5.0	10.0	39.6	1200	0.6	FGB2GK333C132CL5
400	220	0.039	13.0	11.0	5.0	10.0	46.8	1200	0.6	FGB2GK393C132CL5
400	220	0.047	13.0	11.0	5.0	10.0	56.4	1200	0.6	FGB2GK473C132CL5
400	220	0.056	13.0	12.0	6.0	10.0	67.2	1200	0.6	FGB2GK563C162CL5
400	220	0.068	13.0	12.0	6.0	10.0	81.6	1200	0.6	FGB2GK683C162CL5
400	220	0.082	18.0	11.0	5.0	15.0	65.6	800	0.6	FGB2GK823E142EL5
400	220	0.1	18.0	11.0	5.0	15.0	80.0	800	0.6	FGB2GK104E142EL5
400	220	0.12	18.0	12.0	6.0	15.0	96.0	800	0.6	FGB2GK124E172EL5
400	220	0.15	18.0	12.0	6.0	15.0	120.0	800	0.6	FGB2GK154E172EL5
400	220	0.18	18.0	13.5	7.5	15.0	144.0	800	0.8	FGB2GK184E292EL5
400	220	0.22	18.0	13.5	7.5	15.0	176.0	800	0.8	FGB2GK224E292EL5
400	220	0.27	18.0	13.5	7.5	15.0	216.0	800	0.8	FGB2GK274E292EL5
400	220	0.33	18.0	14.5	8.5	15.0	264.0	800	0.8	FGB2GK334E342EL5
400	220	0.39	18.0	16.0	10.0	15.0	312.0	800	0.8	FGB2GK394E432EL5
400	220	0.47	18.0	16.0	10.0	15.0	376.0	800	0.8	FGB2GK474E432EL5
400	220	0.56	18.0	19.0	11.0	15.0	448.0	800	0.8	FGB2GK564E472EL5
400	220	0.68	26.0	19.0	10.0	22.5	204.0	300	0.8	FGB2GK684F242FL5
400	220	0.82	26.0	19.0	10.0	22.5	246.0	300	0.8	FGB2GK824F242FL5
400	220	1.0	26.0	20.0	11.0	22.5	300.0	300	0.8	FGB2GK105F262FL5
400	220	1.2	26.0	23.0	13.0	22.5	360.0	300	0.8	FGB2GK125F292FL5
400	220	1.5	26.0	23.0	13.0	22.5	450.0	300	0.8	FGB2GK155F292FL5
400	220	1.8	32.0	22.0	13.0	27.5	234.0	130	0.8	FGB2GK185G212GL5
400	220	2.2	32.0	24.5	13.0	27.5	286.0	130	0.8	FGB2GK225G222GL5

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Rating and Part Number

Vdc	Vac	Cap Value μF	Dimensions				Peak Current A	dv/dt V/us	Lead Wire mm	Part Number
			W mm	H mm	T mm	P mm				
400	220	2.7	32.0	28.0	14.0	27.5	351.0	130	0.8	FGB2GK275G262GL5
400	220	3.3	32.0	33.0	18.0	27.5	429.0	130	0.8	FGB2GK335G342GL5
400	220	3.9	32.0	33.0	18.0	27.5	507.0	130	0.8	FGB2GK395G342GL5
400	220	4.7	32.0	37.0	22.0	27.5	611.0	130	0.8	FGB2GK475G402GL5
400	220	5.6	42.5	32.0	19.0	37.5	392.0	70	1.0	FGB2GK565K212KL5
400	220	6.8	42.5	40.0	20.0	37.5	476.0	70	1.0	FGB2GK685K242KL5
400	220	8.2	42.5	40.0	20.0	37.5	574.0	70	1.0	FGB2GK825K242KL5
400	220	10	42.5	44.0	24.0	37.5	700.0	70	1.0	FGB2GK106K322KL5
400	220	12	42.5	45.0	30.0	37.5	840.0	70	1.0	FGB2GK126K422KL5
630	250	0.01	13.0	11.0	5.0	10.0	15.0	1500	0.6	FGB2LK103C132CL5
630	250	0.012	13.0	11.0	5.0	10.0	18.0	1500	0.6	FGB2LK123C132CL5
630	250	0.015	13.0	11.0	5.0	10.0	22.5	1500	0.6	FGB2LK153C132CL5
630	250	0.018	13.0	11.0	5.0	10.0	27.0	1500	0.6	FGB2LK183C132CL5
630	250	0.022	13.0	12.0	6.0	10.0	33.0	1500	0.6	FGB2LK223C162CL5
630	250	0.027	18.0	11.0	5.0	15.0	27.0	1000	0.6	FGB2LK273E142EL5
630	250	0.033	18.0	11.0	5.0	15.0	33.0	1000	0.6	FGB2LK333E142EL5
630	250	0.039	18.0	11.0	5.0	15.0	39.0	1000	0.6	FGB2LK393E142EL5
630	250	0.047	18.0	11.0	5.0	15.0	47.0	1000	0.6	FGB2LK473E142EL5
630	250	0.056	18.0	11.0	5.0	15.0	56.0	1000	0.6	FGB2LK563E142EL5
630	250	0.068	18.0	12.0	6.0	15.0	68.0	1000	0.6	FGB2LK683E172EL5
630	250	0.082	18.0	12.0	6.0	15.0	82.0	1000	0.6	FGB2LK823E172EL5
630	250	0.1	18.0	13.5	7.5	15.0	100.0	1000	0.8	FGB2LK104E292EL5
630	250	0.12	18.0	13.5	7.5	15.0	120.0	1000	0.8	FGB2LK124E292EL5
630	250	0.15	18.0	14.5	8.5	15.0	150.0	1000	0.8	FGB2LK154E342EL5
630	250	0.18	18.0	16.0	10.0	15.0	180.0	1000	0.8	FGB2LK184E432EL5
630	250	0.22	18.0	16.0	10.0	15.0	220.0	1000	0.8	FGB2LK224E432EL5
630	250	0.27	18.0	19.0	11.0	15.0	270.0	1000	0.8	FGB2LK274E472EL5
630	250	0.33	18.0	19.0	11.0	15.0	330.0	1000	0.8	FGB2LK334E472EL5
630	250	0.39	26.0	19.0	10.0	22.5	156.0	400	0.8	FGB2LK394F242FL5
630	250	0.47	26.0	20.0	11.0	22.5	188.0	400	0.8	FGB2LK474F262FL5
630	250	0.56	26.0	20.0	11.0	22.5	224.0	400	0.8	FGB2LK564F262FL5
630	250	0.68	26.0	23.0	13.0	22.5	272.0	400	0.8	FGB2LK684F292FL5
630	250	0.82	32.0	22.0	13.0	27.5	147.6	180	0.8	FGB2LK824G212GL5
630	250	10	32.0	22.0	13.0	27.5	1800.0	180	0.8	FGB2LK105G212GL5
630	250	12	32.0	28.0	14.0	27.5	2160.0	180	0.8	FGB2LK125G262GL5
630	250	1.5	32.0	28.0	14.0	27.5	270.0	180	0.8	FGB2LK155G262GL5
630	250	1.8	32.0	33.0	18.0	27.5	324.0	180	0.8	FGB2LK185G342GL5
630	250	2.2	32.0	33.0	18.0	27.5	396.0	180	0.8	FGB2LK225G342GL5
630	250	2.7	32.0	37.0	22.0	27.5	486.0	180	0.8	FGB2LK275G402GL5
630	250	3.3	42.5	32.0	19.0	37.5	297.0	90	1.0	FGB2LK335K212KL5
630	250	3.9	42.5	40.0	20.0	37.5	351.0	90	1.0	FGB2LK395K242KL5
630	250	4.7	42.5	40.0	20.0	37.5	423.0	90	1.0	FGB2LK475K242KL5
630	250	5.6	42.5	44.0	24.0	37.5	504.0	90	1.0	FGB2LK565K322KL5
630	250	6.8	42.5	45.0	30.0	37.5	612.0	90	1.0	FGB2LK685K422KL5

General Technical Data

Applications	DC and Pulse Applications
Dielectric	Polypropylene Metallized Film
Reference Standard	IEC 60384-16
Climatic Category	40/105/56 IEC 60068-1
Operating Temperature Range	-40°C ~ +105°C (85°C ~105°C, decreasing factor 1.25% per °C for Rated Voltage)
Protection	Solvent resistant plastic case UL94 V-0 Thermosetting resin sealing UL 94 V-0 compliant
Installation	Any position
Packaging	Packed in cardboard boxes with protection for the terminals
Storage Conditions	Storage time: ≤24months from the date marked on the label package Average relative humidity per year ≤70% RH≤85% for 30 days randomly distributed throughout the year Dew is absent Temperature: -40°C ~ +85°C
Storage Life	Product that passed less than 2 years from production, No need reconfirmation
RoHS Compliance	Compliant with the restricted substance requirement of Directive 2011/65/EU
Flame Retardant Grade	Flame retardant performance accords with horizontal combustion grade HB and vertical combustion grade V-0.

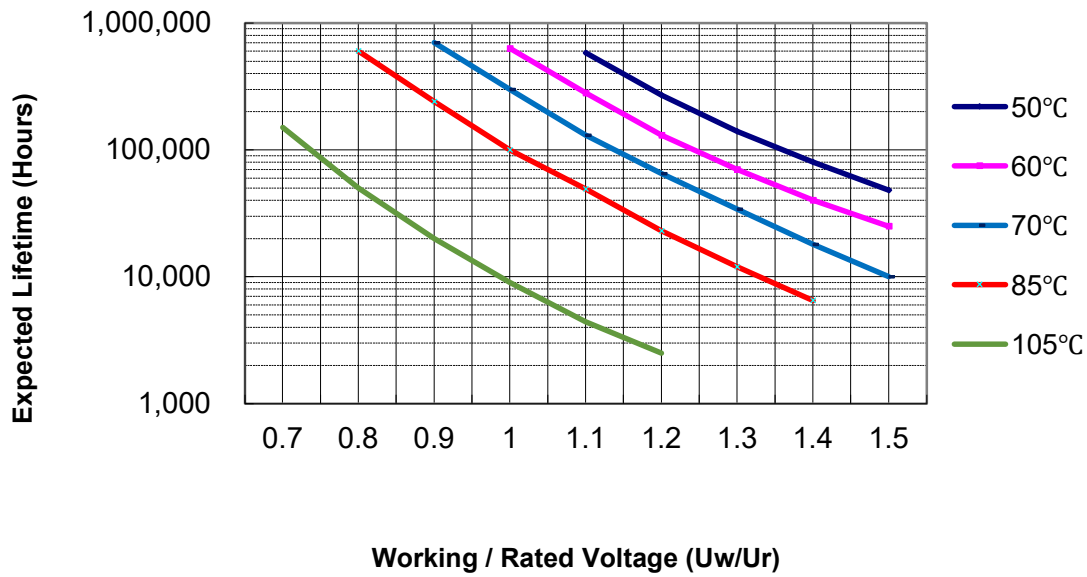
Construction

Metallized Film	OPP & Al
Metal Sprayed	Sn/Zn Alloy
Connection Electrode	Copper-clad Steel Wire
Plastic Case	Plastic Case (UL94V-0)
Filling	Epoxy Resin (UL94V-0)
Film Construction	Mono Structure 

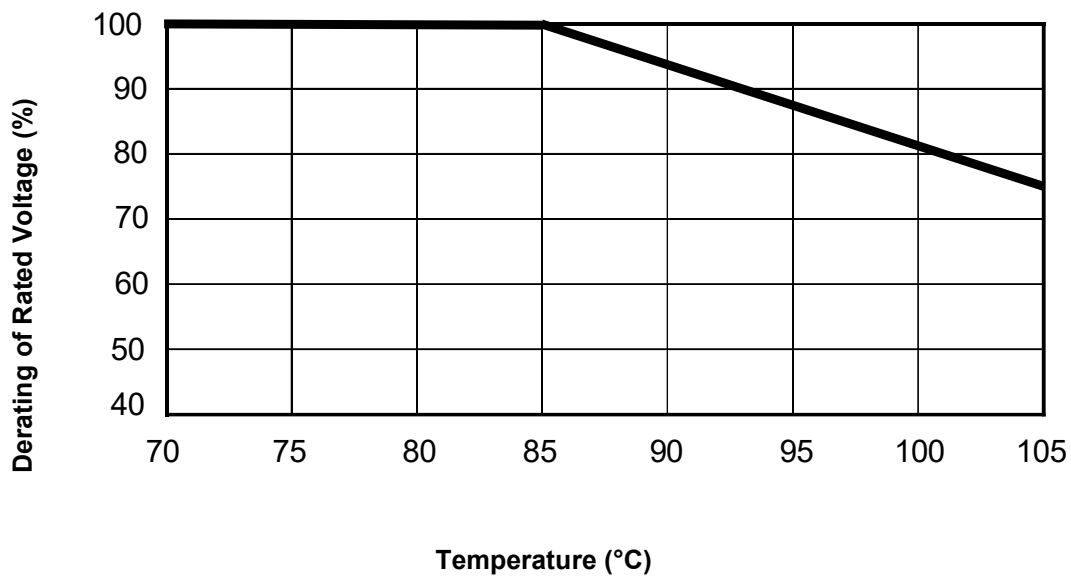
Electrical Characteristics

Voltage Range	100Vdc ~ 630Vdc
Capacitance Range	0.01uF ~ 82uF
Capacitance Tolerance	±5% or ±10% at +25°C
Capacitance	Measuring Frequency at 1kHz Measuring Voltage: 1±0.2V
Standard Atmospheric Conditions for Static Test	Ambient temperature 15°C to 35°C (If there is any doubt on the results, the measurements shall be made at +20 +/- 5°C) Relative humidity 45% to 75% (If there is any doubt on the results, the measurements shall be made at 60% to 70 %.) Air pressure 86 kPa to 106 kPa.
Voltage Between Terminals U _{TT}	1.5 x V _R VDC for 10 seconds (between terminations) @ +25°C ±5°C
Voltage Between Terminals and Case U _{TC}	2000VAC, 60s (at+25+/-2°C)
Dielectric Dissipation Factor Tgδ 0	≤2×10 ⁻⁴
Dissipation factor	0.0010 (25°C, 1KHz)
Insulation Resistance	R between leads, for C ≤ 0.33 μF at 100 V; 1 min > 30 000 MΩ RC between leads, for C > 0.33 μF at 100 V; 1 min > 10 000 MΩ*uF
Self-Inductance	<1nH per mm of lead spacing
Hot-Spot	≤85°C
Life Expectancy	100,000 hours (UR, Θhotspot=85°C)
Failure Rate	100 Fit
Max. Altitude	2000 m
Overvoltage	Maximum duration within one day
Apply 110% of rated voltage	30% of on-load duration
Apply 115% of rated voltage	30 mins
Apply 120% of rated voltage	5 mins
Apply 130% of rated voltage	1 min

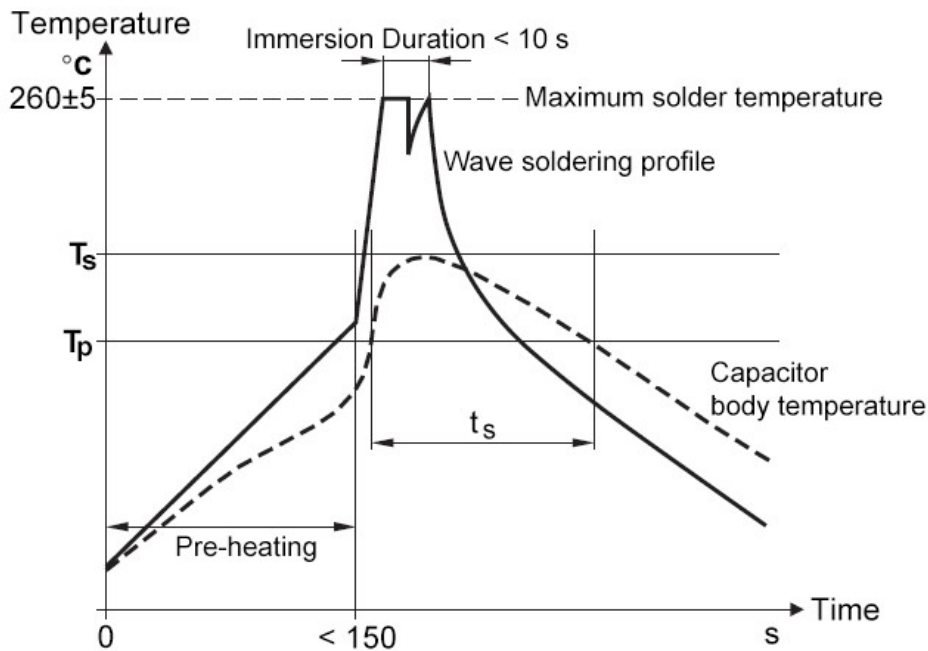
Expected Life Curve



Derating of Rated Voltage Vs Temperature



Wave Soldering Recommendations

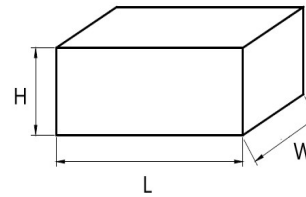


T_s : Capacitor body maximum temperature at wave soldering
 T_p : Capacitor body maximum temperature at pre-heating

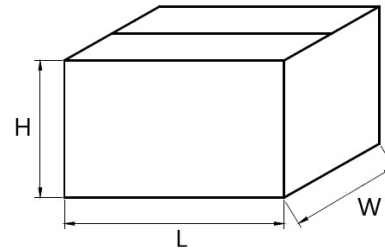
Polypropylene Capacitors	Polyester Capacitors
During pre-heating: $T_p \leq 110^\circ\text{C}$ During soldering: $T_s \leq 120^\circ\text{C}$, $t_s \leq 60$	During pre-heating: $T_p \leq 130^\circ\text{C}$ During soldering: $T_s \leq 160^\circ\text{C}$, $t_s \leq 60\text{s}$

Packaging Information

Inner Box Specifications (Dimensions)			
Box #	L ±3mm	W±3mm	H ±3mm
# 1	331	331	25
# 2	331	331	35
# 3	331	331	50
# 4	331	331	80
# 5	350	170	35
# 6	350	170	50
# 7	350	170	80



Outer Box Specifications (Dimensions)			
Box #	L ±5mm	W±5mm	H ±5mm
# 1	350	340	265
# 2	370	360	350



Packaging Quantity

P	Code	W	H	T	Long Leads	Short Leads
10	C13	13	11	5	1200	1426
	C16	13	12	6	1200	1173
15	E14	18	11	5	800	1054
	E17	18	12	6	800	867
	E29	18	13.5	7.5	800	697
	E34	18	14.5	8.5	600	612
	E43	18	16	10	600	527
	E47	18	19	11	600	476
22.5	F20	26	17	8.5	600	432
	F24	26	19	10	400	372
	F26	26	20	11	400	336
	F29	26	23	13	400	276
27.5	G18	32	20	11	200	252
	G21	32	22	13	200	207
	G22	32	24.5	13	200	207
	G26	32	28	14	200	198
	G34	32	33	18	100	153
	G37	32	31	21	100	126
	G40	32	37	22	100	126
37.5	K21	42.5	32	19	-	112
	K24	42.5	40	20	-	105
	K32	42.5	44	24	-	91
	K42	42.5	45	30	-	70

Cautions and Warnings

- Don't exceed the upper category temperature.
- For longtime storage, maximum relative humidity 80%, no dew allowed on the capacitor.
- Do not use or store capacitor in corrosive atmosphere, in the dusty environment's regular maintenance and cleaning especially of the terminals is required to avoid conductive path between terminal / or terminal and ground.
- Don't apply any mechanical stress to the capacitor terminals, and avoid any compressive, tensile or flexural stress.
- Don't move the capacitor after fixed to the PC board, and don't pick up the PC board by the fixed capacitor.
- Don't place the capacitor on a PC board whose holes pitch differs from the specified space.
- Avoid overload of the capacitors
- Do not have unlimited service life expectancy, the max service life expectancy may vary depending on the application the capacitor is used in.

Disclaimer

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