FSL

Photoflash aluminum electrolytic Capacitors



Features

- JIS 2365 compliant
- Long life

Applications

- Signal lights
- Emergency lights

Specifications

Operating Temperature Range		-20°C to +70°C		
Capacitance Tolerance		-10 to+20% at 120 Hz, 25°C		
Surge voltage	WVDC	360	390	
	SVDC	450	500	
Dissipation Factor (Maximum) 25°C, 120 Hz	WVDC	360	390	
	tan δ	.07	.07	
Leakage current @25°C, Rated WVDC applied		Time	5 Minutes	
			3√CV	
Charge/discharge		1 million flashes at rated voltage applied & 45°C repeating every 1 second thru a Xe flash tube having a discharge resistance if 0.7~1.0Ω		
		Capacitance change	≤10% of initial measured value	
		Dissipation factor	≤150% of maximum specified value	
		Leakage current	≤200% of maximum specified value	
Shelf Life		500 hours at 70°C with no voltage applied		
		Capacitance change	≤10% initial measured value	
		Dissipation factor	≤150% of maximum specified value	
		Insulation resistance	≤200% of maximum specified value	

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+55°C, photoflash dual package

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	LC (µA) 20°C, 5 minutes	Dims DxL (mm)
47	360	476FSL390XGBE	2.47041	406.16	22x35
47	360	476FSL390XGBE	2.47041	406.16	22x35
47	450	476FSL450XBE	2.47041	436.29	22x35
47	450	476FSL450XBE	2.47041	436.29	22x35
60	360	606FSL360XBD	1.93516	440.91	22x30
60	360	606FSL360XGBD	1.93516	440.91	22x30
60	360	606FSL360XBD	1.93516	440.91	22x30
60	360	606FSL360XGBD	1.93516	440.91	22x30
68	390	686FSL390XGBF	1.70749	488.55	22x40
68	390	686FSL390XGCD	1.70749	488.55	25x30
68	390	686FSL390XGBF	1.70749	488.55	22x40
68	390	686FSL390XGCD	1.70749	488.55	25x30
68	450	686FSL450XBF	1.70749	524.79	22x40
68	450	686FSL450XCD	1.70749	524.79	25x30
68	450	686FSL450XBF	1.70749	524.79	22x40
68	450	686FSL450XCD	1.70749	524.79	25x30
70	360	706FSL360XGBE	1.65871	476.24	22x35
70	360	706FSL360XGCC	1.65871	476.24	25x25
70	360	706FSL360XGBE	1.65871	476.24	22x35
70	360	706FSL360XGCC	1.65871	476.24	25x25
70	360	706FSL360XBE	1.65871	476.24	22x35
70	360	706FSL360XCC	1.65871	476.24	25x25
70	360	706FSL360XBE	1.65871	476.24	22x35
70	360	706FSL360XCC	1.65871	476.24	25x25
80	360	806FSL360XBF	1.45137	509.12	22x40
80	360	806FSL360XCD	1.45137	509.12	25x30
80	360	806FSL360XGBF	1.45137	509.12	22x40
80	360	806FSL360XGCD	1.45137	509.12	25x30
80	360	806FSL360XGBF	1.45137	509.12	22x40
80	360	806FSL360XGCD	1.45137	509.12	25x30
80	360	806FSL360XBF	1.45137	509.12	22x40
80	360	806FSL360XCD	1.45137	509.12	25x30
100	360	107FSL360XBG	1.16109	569.21	22x45
100	360	107FSL360XCE	1.16109	569.21	25x35
100	360	107FSL360XDC	1.16109	569.21	30x25
100	360	107FSL360XGBG	1.16109	569.21	22x45
100	360	107FSL360XGCE	1.16109	569.21	25x35
100	360	107FSL360XGDC	1.16109	569.21	30x25
100	360	107FSL360XBG	1.16109	569.21	22x45
100	360	107FSL360XCE	1.16109	569.21	25x35
100	360	107FSL360XDC	1.16109	569.21	30x25
100	360	107FSL360XGBG	1.16109	569.21	22x45
100	360	107FSL360XGCE	1.16109	569.21	25x35
100	360	107FSL360XGDC	1.16109	569.21	30x25
100	390	107FSL390XGBH	1.16109	592.45	22x50
100	390	107FSL390XGCF	1.16109	592.45	25x40
100	390	107FSL390XGDE	1.16109	592.45	30x35
100	390	107FSL390XGBH	1.16109	592.45	22x50
100	390	107FSL390XGCF	1.16109	592.45	25x40
100	390	107FSL390XGDE	1.16109	592.45	30x35
100	450	107FSL450XBH	1.16109	636.4	22x50
100	450	107FSL450XCF	1.16109	636.4	25x40
100	450	107FSL450XDE	1.16109	636.4	30x35
100	450	107FSL450XBH	1.16109	636.4	22x50
100	450	107FSL450XCF	1.16109	636.4	25x40
100	450	107FSL450XDE	1.16109	636.4	30x35
120	360	127FSL360XDD	0.967578	623.54	30x30
120	360	127FSL360XGBH	0.967578	623.54	22x50

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	LC (µA) 20°C, 5 minutes	Dims DxL (mm)
120	360	127FSL360XBH	0.967578	623.54	22x50
120	360	127FSL360XCF	0.967578	623.54	25x40
120	360	127FSL360XGCF	0.967578	623.54	25x40
120	360	127FSL360XGDD	0.967578	623.54	30x30
120	360	127FSL360XDD	0.967578	623.54	30x30
120	360	127FSL360XGBH	0.967578	623.54	22x50
120	360	127FSL360XBH	0.967578	623.54	22x50
120	360	127FSL360XCF	0.967578	623.54	25x40
120	360	127FSL360XGCF	0.967578	623.54	25x40
120	360	127FSL360XGDD	0.967578	623.54	30x30
120	390	127FSL390XGBP	0.967578	649	22x55
120	390	127FSL390XGCG	0.967578	649	25x45
120	390	127FSL390XGDF	0.967578	649	30x40
120	390	127FSL390XGBP	0.967578	649	22x55
120	390	127FSL390XGCG	0.967578	649	25x45
120	390	127FSL390XGDF	0.967578	649	30x40
120	450	127FSL450XBP	0.967578	697.14	22x55
120	450	127FSL450XCG	0.967578	697.14	25x45
120	450	127FSL450XDF	0.967578	697.14	30x40
120	450	127FSL450XBP	0.967578	697.14	22x55
120	450	127FSL450XCG	0.967578	697.14	25x45
120	450	127FSL450XDF	0.967578	697.14	30x40
150	360	157FSL360XBP	0.774062	697.14	22x55
150	360	157FSL360XCG	0.774062	697.14	25x45
150	360	157FSL360XGCG	0.774062	697.14	25x45
150	360	157FSL360XGDE	0.774062	697.14	30x35
150	360	157FSL360XDE	0.774062	697.14	30x35
150	360	157FSL360XGBP	0.774062	697.14	22x55
150	360	157FSL360XBP	0.774062	697.14	22x55
150	360	157FSL360XCG	0.774062	697.14	25x45
150	360	157FSL360XGCG	0.774062	697.14	25x45
150	360	157FSL360XGDE	0.774062	697.14	30x35
150	360	157FSL360XDE	0.774062	697.14	30x35
150	360	157FSL360XGBP	0.774062	697.14	22x55
150	390	157FSL390XGBZ	0.774062	725.6	22x60
150	390	157FSL390XGCH	0.774062	725.6	25x50
150	390	157FSL390XGDG	0.774062	725.6	30x45
150	390	157FSL390XGDG	0.774062	725.6	30x45
150	390	157FSL390XGBZ	0.774062	725.6	22x60
150	390	157FSL390XGCH	0.774062	725.6	25x50
150	450	157FSL450XBZ	0.774062	779.42	22x60
150	450	157FSL450XCH	0.774062	779.42	25x50
150	450	157FSL450XDG	0.774062	779.42	30x45
150	450	157FSL450XBZ	0.774062	779.42	22x60
150	450	157FSL450XCH	0.774062	779.42	25x50
150	450	157FSL450XDG	0.774062	779.42	30x45
180	360	187FSL360XCH	0.645052	763.68	25x50
180	360	187FSL360XDF	0.645052	763.68	30x40
180	360	187FSL360XED	0.645052	763.68	35x30
180	360	187FSL360XGCH	0.645052	763.68	25x50
180	360	187FSL360XGDF	0.645052	763.68	30x40
180	360	187FSL360XGED	0.645052	763.68	35x30
180	360	187FSL360XCH	0.645052	763.68	25x50
180	360	187FSL360XDF	0.645052	763.68	30x40
180	360	187FSL360XGDF	0.645052	763.68	30x40
180	360	187FSL360XGED	0.645052	763.68	35x30
180	360	187FSL360XED	0.645052	763.68	35x30
180	360	187FSL360XGCH	0.645052	763.68	25x50

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+55°C, photoflash dual package

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	LC (µA) 20°C, 5 minutes	Dims DxL (mm)
220	360	227FSL360XEE	0.52777	844.27	35x35
220	360	227FSL360XGCZ	0.52777	844.27	25x60
220	360	227FSL360XCZ	0.52777	844.27	25x60
220	360	227FSL360XDG	0.52777	844.27	30x45
220	360	227FSL360XGDG	0.52777	844.27	30x45
220	360	227FSL360XGEE	0.52777	844.27	35x35
220	360	227FSL360XCZ	0.52777	844.27	25x60
220	360	227FSL360XDG	0.52777	844.27	30x45
220	360	227FSL360XGDG	0.52777	844.27	30x45
220	360	227FSL360XGEE	0.52777	844.27	35x35
220	360	227FSL360XEE	0.52777	844.27	35x35
220	360	227FSL360XGCZ	0.52777	844.27	25x60
220	390	227FSL390XGEG	0.52777	878.75	35x45
220	390	227FSL390XGCZ	0.52777	878.75	25x60
220	390	227FSL390XGDP	0.52777	878.75	30x55
220	390	227FSL390XGCZ	0.52777	878.75	25x60
220	390	227FSL390XGDP	0.52777	878.75	30x55
220	390	227FSL390XGEG	0.52777	878.75	35x45
220	450	227FSL450XCZ	0.52777	943.93	25x60
220	450	227FSL450XDP	0.52777	943.93	30x55
220	450	227FSL450XEG	0.52777	943.93	35x45
220	450	227FSL450XDP	0.52777	943.93	30x55
220	450	227FSL450XEG	0.52777	943.93	35x45
220	450	227FSL450XCZ	0.52777	943.93	25x60
270	360	277FSL360XDH	0.430035	935.31	30x50
270	360	277FSL360XEF	0.430035	935.31	35x40
270	360	277FSL360XGDH	0.430035	935.31	30x50
270	360	277FSL360XGEF	0.430035	935.31	35x40
270	360	277FSL360XDH	0.430035	935.31	30x50
270	360	277FSL360XEF	0.430035	935.31	35x40
270	360	277FSL360XGDH	0.430035	935.31	30x50
270	360	277FSL360XGEF	0.430035	935.31	35x40
270	390	277FSL390XGDJ	0.430035	973.5	30x65
270	390	277FSL390XGEP	0.430035	973.5	35x55
270	390	277FSL390XGDJ	0.430035	973.5	30x65
270	390	277FSL390XGEP	0.430035	973.5	35x55

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	LC (µA) 20°C, 5 minutes	Dims DxL (mm)
270	450	277FSL450XDJ	0.430035	1045.71	35x65
270	450	277FSL450XEP	0.430035	1045.71	35x55
270	450	277FSL450XDJ	0.430035	1045.71	35x65
270	450	277FSL450XEP	0.430035	1045.71	35x55
330	360	337FSL360XGDP	0.351846	1034.02	30x55
330	360	337FSL360XGEH	0.351846	1034.02	35x50
330	360	337FSL360XDP	0.351846	1034.02	30x55
330	360	337FSL360XEH	0.351846	1034.02	35x50
330	360	337FSL360XDP	0.351846	1034.02	30x55
330	360	337FSL360XEH	0.351846	1034.02	35x50
330	360	337FSL360XGDP	0.351846	1034.02	30x55
330	360	337FSL360XGEH	0.351846	1034.02	35x50
330	390	337FSL390XGEJ	0.351846	1076.24	35x65
330	390	337FSL390XGFP	0.351846	1076.24	40x55
330	390	337FSL390XGEJ	0.351846	1076.24	35x65
330	390	337FSL390XGFP	0.351846	1076.24	40x55
330	450	337FSL450XEJ	0.351846	1156.07	35x65
330	450	337FSL450XFP	0.351846	1156.07	40x55
330	450	337FSL450XEJ	0.351846	1156.07	35x65
330	450	337FSL450XFP	0.351846	1156.07	40x55
470	360	477FSL360XGEZ	0.247041	1234.02	35x60
470	360	477FSL360XGFH	0.247041	1234.02	40x50
470	360	477FSL360XEZ	0.247041	1234.02	35x60
470	360	477FSL360XFH	0.247041	1234.02	40x50
470	360	477FSL360XGEZ	0.247041	1234.02	35x60
470	360	477FSL360XGFH	0.247041	1234.02	40x50
470	360	477FSL360XEZ	0.247041	1234.02	35x60
470	360	477FSL360XFH	0.247041	1234.02	40x50
470	390	477FSL390XGEQ	0.247041	1284.41	35x75
470	390	477FSL390XGFJ	0.247041	1284.41	40x65
470	390	477FSL390XGEQ	0.247041	1284.41	35x75
470	390	477FSL390XGFJ	0.247041	1284.41	40x65
470	450	477FSL450XEQ	0.247041	1379.67	35x75
470	450	477FSL450XFJ	0.247041	1379.67	40x65
470	450	477FSL450XEQ	0.247041	1379.67	35x75
470	450	477FSL450XFJ	0.247041	1379.67	40x65

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