

FEATURES

- Wide temperature range (-40°C ~ +105°C).
- Long life (10,000 hours @ 105°C D ≥10mm)
High ripple current
- For switching Pwr Supplies, Ballasts & Measuring Instruments
RoHs COMPLIANT

PART NUMBERING

Part Number Example: 725L-050/101M10X16F							
725L	-	050	/	101	M	10X16	F
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant

* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).

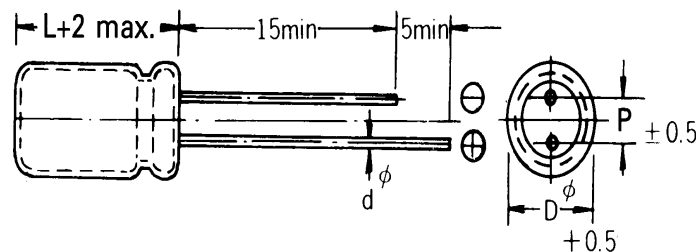
SPECIFICATIONS

Capacitance Range	6.8~3,300 μF					6.8~220 μF						
Operating Temperature Range	-40°C ~ 105°C.					-25°C, +105°C.						
Voltage Range	10 ~50vdc					160~450vdc						
Capacitance Tolerance @ 20°C, 120Hz	±20%.											
Maximum Leakage Current (20°C) (after 1 minute @ rated voltage)	0.01CV or 3μA, whichever is greater					0.04CV+100μA						
DF @ 120Hz 20° C	Working voltage	10	16	25	35	50	160	200	250	350	400	450
	DF % max	19	16	14	12	10	15	15	15	20	20	20
Low Temperature Characteristics (120Hz)	Working volts	10	16	25	35	50	160	200	250	350	400	450
	Z -25°C~+20°C	4	3	2	2	2	3	3	3	6	6	6
Load Life (@ 105°C) D <8mm 5,000 hrs D 8mm 8,000 hrs D ≥10mm 10,000 hrs	Capacitance Change	Within ±20% of initial value										
	Dissipation Factor	≤200% of initial specified value.										
	Leakage Current	Initial specified value.										
Shelf Life (105°C) After 1,000 hrs with no voltage applie	Capacitance Change	Within ±20% of initial value.										
	Dissipation Factor	≤200% of initial specified value.										
	Leakage Current	Initial specified value.										

MULTIPLIER FOR RIPPLE CURRENT VS FREQ.

FREQ. (Hz)	120	1K	10K	>100K
Multiplier	0.5	0.8	0.85	1.0

DIMENSIONS



Vinyl Sleeve

DIMENSIONS (UNIT: mm)

D	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
dØ	0.5		0.6			0.8	

CAP. (μ F)	10 vdc Surge 13v		16 vdc Surge 20v		25 vdc Surge 32v		35 vdc Surge 44v		50 vdc Surge 63v	
	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE
6.8									5X11	86
10							5X11	74	5X11	97
22					5X11	120	5X11	138	6.3X11	149
33			5X11	115	5X11	143	6.3X11	178	8X11.5	241
47	5X11	113	5X11	172	6.3X11	230	8X11.5	270	8X11.5	287
									10X12.5	299
68	5X11	144	6.3X11	218	8X11.5	293	8X11.5	322	10X12.5	356
100	6.3X11	233	8X11.5	264	8X11.5	387	10X12.5	414	10X16	517
150	6.3X11	309	8X11.5	299	10X12.5	460	10X16	632	10X20	747
220	6.3X11	392	8X11.5	460	10X16	615	10X20	805	13X20	977
			10X12.5	494						
330	8X11.5	524	10X16	586	10X20	805	13X20	1,035	13X25	1,150
470	10X12.5	632	10X20	805	13X20	1,092	13X25	1,173	16X25	1,552
1,000	10X16	1,163	13X20	1,173	13X25	1,552	16X31.5	1,932	18X31.5	2,093
2,200	13X20	1,834	16X25	2,093	16X31.5	2,622				
3,300	16X25	2,070	16X31.5	2,680						

RIPPLE CURRENT (mA) @ 105°C 100KHZ

CAP. (μ F)	160 vdc Surge 200v		200 vdc Surge 250v		250 vdc Surge 300v		350 vdc Surge 400v		400 vdc Surge 450v		450 vdc Surge 500v	
	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE
6.8							10X20	270	10X20	270	13X20	240
10	10X16	280	10X20	310	10X20	320	13X20	350	13X20	350	13X25	430
22	10X20	450	10X20	470	13X20	490	13X25	600	16X25	690	16X25	710
33	13X20	610	13X20	620	13X25	750	16X21	820	18X21	870	18X25	950
47	13X20	680	13X20	910	16X21	930	18X21	1,020	18X25	1,130	18X31.5	1,120
68	13X25	1,100	16X25	1,190	18X21	1,300	18X25	1,400	18X31.5	1,460		
100	18X21	1,380	18X21	1,310	18X25	1,500						
150	18X25	1,780	18X25	1,800	18X31.5	1,870						
220	18X25	2,290	18X31.5	2,900								

RIPPLE CURRENT (mA) @ 105°C 100KHZ