

FEATURES

- High temperature (-40°C ~ +130°C).
 - Long life (2000 hours @ 130°C) ($\sigma D > 10 = 3,000\text{Hrs}$).
 - Solvent resistant.
- RoHs COMPLIANT

PART NUMBERING

Part Number Example: 725X-010/221M 8X11 F							
725X	-	010	/	221	M	8X11	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).

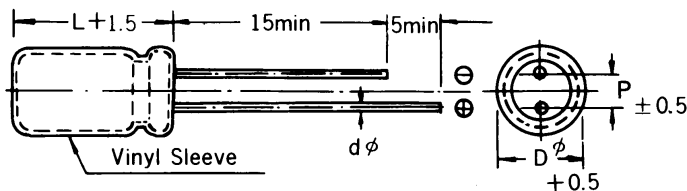
SPECIFICATIONS

Capacitance Range	10~4,700 μF					
Operating Temperature Range	-40°C ~ 130°C.					
Voltage Range	10~50vdc					
Capacitance Tolerance @ 20°C, 120Hz	±20%.					
Maximum Leakage Current (20°C) (after 1 minute @ rated voltage)	0.01CV or 3 μA , whichever is greater					
DF @ 120Hz 20° C	Working voltage	10	16	25	35	50
	DF % max	20	16	14	12	10
Low Temperature Characteristics (120Hz)	Working voltage	10	16	25	35	50
	Z -25°C ~ +20°C	3	2	2	2	2
	Z -40°C ~ +20°C	4	4	4	4	4
Load Life (@ 130°C) D ≤8mm 2,000 hrs D ≥10mm 3,000 hrs	Capacitance Change	≤ 15% of initial value				
	Dissipation Factor	≤ 150% of initial specified value.				
	Leakage Current	≤ Initial specified value.				
Shelf Life (130°C) After 1,000 hrs with no voltage applie	Capacitance Change	≤ 15% of initial value.				
	Dissipation Factor	≤ 150% of initial specified value.				
	Leakage Current	≤ Initial specified value.				

MULTIPLIER FOR RIPPLE CURRENT VS FREQ.

CAP (μF)/FREQ. (Hz)	50(60)	120	400	1K	10K	50-100K
CAP 10 μF	0.8	1	1.30	1.45	1.65	1.70
CAP >10~100 μF	0.8	1	1.23	1.36	1.48	1.53
CAP >100~1,000 μF	0.8	1	1.16	1.25	1.35	1.38
CAP >1,000	0.8	1	1.11	1.17	1.25	1.28

DIMENSIONS



DIMENSIONS (UNIT: mm)

D	6.3	8	10	13	16	18
P	2.5	3.5	5.0	7.5		
d ϕ	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
10									6.3X11	150
22									6.3X11	220
33									8X11.5	270
47									10X12.5	300
100							10X16	420	10X16	480
220	8X11.5	250	10X12.5	260	10X16	330	10X20	520	13X20	700
330	8X11.5	330	10X16	360	10X20	540	13X20	700	13X25	820
	10X12.5	350								
470	10X12.5	500	10X20	600	13X20	720	13X25	880	16X25	1,000
	10X16	540								
1,000	10X20	880	13X20	930	16X25	950	16X31.5	1,150	16X31.5	1,850
1,500	13X20	1,120	13X25	1,250	16X31.5	1,550	16X35.5	1,850		
2,200	13X25	1,350	16X25	1,400	16X35.5	2,010	18X35.5	2,300		
3,300	16X25	1,820	16X31.5	2,150	18X35.5	2,300				
4,700	16X31.5	2,210	16X35.5	2,350						

RIPPLE CURRENT mA @ 120Hz 130°