

FEATURES

- Temperature range (-40°C ~ +85°C).
Low Leakage Current, 5mm height
- Load life 1,000 hours @ 85°C)
RoHs COMPLIANT

PART NUMBERING

Part Number Example: 712L-010/330M5X5F							
712L	-	010	/	330	M	5X5	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).

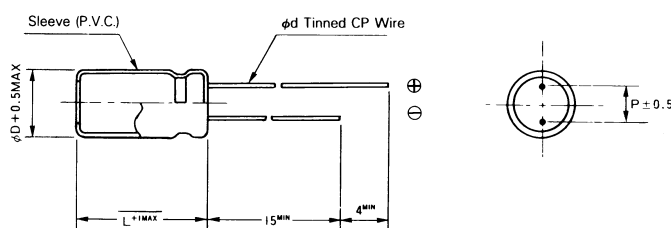
SPECIFICATIONS

Operating Temperature Range	-40°C ~ +85°C							
Rated Voltage Range	4 ~ 50vdc							
Capacitance Range	0.1 ~ 100μF							
Capacitance Tolerance	±20% (120Hz 20°C)							
Leakage Current Max	I = 0.002 CV or .4 μA whichever is greater after 2 minutes @ rated voltage							
DF (%) @ +20°C 120Hz max	Working Voltage dc	4	6.3	10	16	25	35	50
	DF (%)	35	24	20	16	14	12	10
Low Temperature Characteristics Impedance Ratio Max @ 120Hz	Working Voltage dc	4	6.3	10	16	25	35	50
	Z-40°C / Z+20°C	15	10	8	6	4	3	3
Load Life 1,000Hrs @ 85°C and rated voltage	Cap change	≤ ±20% of Initial measured value						
	DF	≤ 200% of Initial measured value						
	Leakage current	≤ Initial measured value						
Shelf Life 1,000Hrs @ 85°C	Cap change	≤ ±20% of Initial measured value						
	DF	≤ 200% of Initial measured value						
	Leakage currentT	≤ Initial measured value						

MULTIPLIER FOR RIPPLE CURRENT VS FREQ.

FREQUENCY (Hz)	50(60)	120	1K	10K>
0.1~47μF	0.8	1	1.3	1.5
100μF	0.8	1	1.15	1.2

DIMENSIONS



DIMENSIONS (UNIT: mm)

Diam	4	5	6.3	8
F	1.5±.5	2±.5	2.5±.5	3.5±.5
Φ	0.45			0.5

CAP. (μ F)	4 vdc Surge 5v		6.3 vdc Surge 8v		10 vdc Surge 13v		16 vdc Surge 20v		25 vdc Surge 32v		35 vdc Surge 44v		50 vdc Surge 63v	
	SIZE	I/AC	SIZE	I/AC	SIZE	I/AC	SIZE	I/AC	SIZE	I/AC	SIZE	I/AC	SIZE	I/AC
0.1													4x5	1.0
0.22													4x5	2.0
0.33													4x5	2.8
0.47													4x5	4.0
1													4x5	8.4
2.2													4x5	13
3.3													5x5	17
4.7									4x5	16	4x5	18	5x5	20
10							4x5	25	5x5	27	5x5	29	6.3x5	33
22			4x5	28	4x5	32	5x5	37	6.3x5	42	6.3x5	46	8x5	60
33	x5x	28	5x5	37	5x5	41	6.3x5	49	6.3x5	52				
47	5x5	33	5x5	45	6.3x5	52	6.3x5	58						
100	6.3x5	56	6.3x5	70										

I/AC (RIPPLE CURRENT) mA @ 120Hz 85°C