

## FEATURES

- Temperature range (-40°C ~ +105°C)  
Low profile, 7mm height
- Load life 2,000 hours @ 105°C)  
RoHs COMPLIANT

## PART NUMBERING

Part Number Example: 724L-010/330M5X7F							
724L	-	010	/	330	M	5X7	F
Type		Rated Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant

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

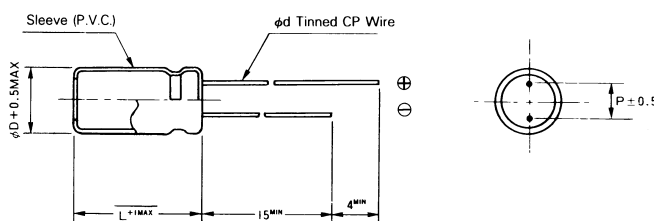
## SPECIFICATIONS

Operating Temperature Range	-40°C ~ +105°C							
Rated Voltage Range	6.3 ~ 63 VDC							
Capacitance Range	.1 ~ 220μF							
Capacitance Tolerance	±20% (120Hz 20°C)							
Leakage Current Max μA	I = 0.01 CV or 3μA whichever is greater after 1 minute @ rated voltage							
DF (%) @ +20°C 120Hz max	Working Voltage	6.3	10	16	25	35	50	63
	DF (%)	24	20	16	14	12	10	9
Low Temperature Characteristics Impedance Ratio Max @ 120Hz	Working Voltage	6.3	10	16	25	35	50	63
	Z--25°C / Z+20°C	4	3	2	2	2	2	2
	Z-40°C / Z+20°C	8	6	4	4	3	3	3
Load Life 2,000Hrs @ 105°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 @ 105°C	Cap change	≤ ±20% of Initial measured value						
	DF	≤200% of Initial measured value						
	Leakage current	≤ Initial measured value						

## MULTIPLIER FOR RIPPLE CURRENT VS FREQ.

FREQUENCY (Hz)	50(60)	120	400	1K	10K	50-100K
≤10μF	0.8	1	1.3	1.45	1.65	1.7
>10 ≤220μF	0.8	1	1.23	1.36	1.36	1.53

## 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. ( $\mu$ F)	6.3 vdc Surge 8v		10 vdc Surge 13v		16 vdc Surge 20v		25 vdc Surge 32v	
	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE
4.7							4X7	17
6.8					4X7	19	4X7	19
10					4X7	28	4X7	28
							5X7	33
15			4X7	26	4X7	30	5X7	35
22	4X7	28	4X7	32	4X7	35	5X7	43
					5X7	42	6.3X7	45
33	4X7	32	5X7	48	5X7	50	6.3X7	62
	5X7	35						
47	5X7	47	5X7	51	6.3X7	67	8X7	75
68	5X7	50	6.3X7	68	6.3X7	70	8X7	80
					8X7	78		
100	6.3X7	75	6.3X7	80	8X7	110	8X7	115
			8X7	95				
220	8X7	92	8X7	130				

RIPPLE CURRENT mA @ 120Hz 105°

CAP. ( $\mu$ F)	35 vdc Surge 44v		50 vdc Surge 63v		63 vdc Surge 79v	
	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE
0.1			4X7	1.5	4X7	1.5
0.15			4X7	1.8	4X7	1.8
0.22			4X7	2.5	4X7	2.5
0.33			4X7	3.5	4X7	3.5
0.47			4X7	5	4X7	6
0.68			4X7	7	4X7	7
1			4X7	10	4X7	12
1.5			4X7	13	4X7	14
2.2			4X7	20	4X7	20
3.3			4X7	26	5X7	28
4.7	4X7	22	4X7	27	5X7	29
			5X7	29	6.3X7	33
6.8	4X7	24	5X7	32	6.3X7	35
	5X7	28	6.3X7	33		
10	5X7	35	6.3X7	38	6.3X7	40
15	5X7	38	6.3X7	52	8X7	55
	6.3X7	45				
22	6.3X7	60	8X7	63	8X7	65
33	6.3X7	50	8X7	78		
	8X7	68				
47	8X7	80				
68	8X7	85				

RIPPLE CURRENT mA @ 120Hz 105°