

**FEATURES**

- Temperature range (-40°C ~ +85°C)  
Low profile, 7mm height
- Load life 2,000 hours @ 85°C  
RoHs COMPLIANT

**PART NUMBERING**

**Part Number Example: 724SL-010/470M5X7F**

<b>724SL</b>	-	<b>010</b>	/	<b>470</b>	<b>M</b>	<b>5X7</b>	<b>F</b>
Type		Rated Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant

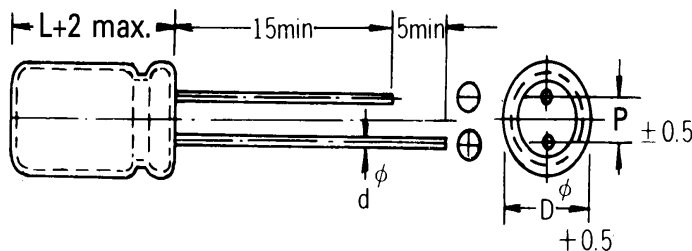
\* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).

**SPECIFICATIONS**

Operating Temp. Range	-40°C ~ +85°C								
Rated Voltage Range	4 ~ 63 VDC								
Capacity Range	.1 ~ 470μF								
Capacity Tolerance	±20%								
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	4	6.3	10	16	25	35	50	63
	DF (%)	25	22	20	16	14	12	10	9
Low Temperature Characteristics Impedance Ratio Max @ 120Hz	Working Voltage	4	6.3	10	16	25	35	50	63
	Z--25°C / Z+20°C	7	4	3	2	2	2	2	2
	Z-40°C / Z+20°C	15	8	6	4	4	3	3	3
Load Life 2,000Hrs @ 85°C and rated voltage	Cap change	≤ ±20% of Initial measured value (4v : ≤ ±30%)							
	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 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 ≤100μF	0.8	1	1.23	1.36	1.48	1.53
>100μF	0.8	1	1.16	1.25	1.35	1.38



Vinyl Sleeve

**DIMENSIONS (UNIT: mm)**

<b>Diam</b>	4	5	6.3	8
<b>F</b>	1.5±.5	2±.5	2.5±.5	3.5±.5
<b>Φ</b>	0.45			0.5

CAP. ( $\mu$ F)	4 vdc Surge 5v		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	SIZE	RIPPLE
4.7									4X7	
6.8							4X7		4X7	
10							4X7		4X7	
									5X7	
15					4X7		4X7		5X7	
22	4X7		4X7		4X7		4X7		5X7	
							5X7		6.3X7	
33	4X7		4X7		4X7		4X7		5X7	
			5X7		5X7		5X7		6.3X7	
47	4X7		4X7		4X7		5X7		6.3X7	
			5X7		5X7		6.3X7		8X7	
68	5X7		5X7		5X7		6.3X7		6.3X7	
					6.3X7					
100	5X7		5X7		5X7		6.3X7		8X7	
			6.3X7		6.3X7		8X7			
220	6.3X7		6.3X7		6.3X7					
			8X7		8X7					
330	6.3X7		8X7							
470	8X7									

RIPPLE CURRENT mA @ 120Hz 85°

CAP. ( $\mu$ F)	35 vdc Surge 44v		50 vdc Surge 63v		63 vdc Surge 79v	
	SIZE	RIPPLE	SIZE	RIPPLE	SIZE	RIPPLE
0.1			4X7		4X7	
0.15			4X7		4X7	
0.22			4X7		4X7	
0.33			4X7		4X7	
0.47			4X7		4X7	
0.68			4X7		4X7	
1			4X7		4X7	
1.5			4X7		4X7	
2.2			4X7		4X7	
3.3			4X7		5X7	
4.7	4X7		4X7		5X7	
			5X7		6.3X7	
6.8	4X7		5X7		6.3X7	
	5X7		6.3X7			
10	4X7		5X7		6.3X7	
	5X7		6.3X7			
15	5X7		6.3X7		8X7	
	6.3X7					
22	5X7		6.3X7		8X7	
	6.3X7		8X7			
33	6.3X7		8X7			
	8X7					
47	8X7					
68	8X7					

RIPPLE CURRENT mA @ 120Hz 85°