

FEATURES

- Wide temperature range (-40°C ~ 105°C).
- Long life (1000 hours @ 105°C).
- Solvent resistant.
- Available in taping configuration for automatic mounting.

PART NUMBERING

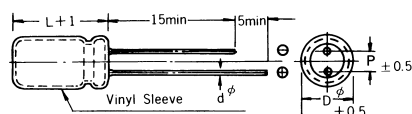
Part Number Example: 724SE-016/100M4X7F							
724SE	-	016	/	100	M	4X7	F
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant

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

SPECIFICATIONS

Performance Characteristics									
Operating Temperature Range	-40°C ~ +105°C.								
Temperature Characteristics (120Hz)	Impedance Ratio								
	Rated Voltage (WVDC)	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
Voltage Range	4VDC ~ 63VDC.								
Capacitance Range	0.1μF ~ 470μF.								
Capacitance Tolerance (20°C, 120Hz)	±20%.								
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (WVDC)	4	6.3	10	16	25	35	50	63
	DF %	35	24	20	16	14	12	10	9
Maximum Leakage Current (after 2 minutes)	0.01CV or 3μA, whichever is greater.								
Applicable Standards	Characteristics of JIS C-5141.								
Load Life Test (105°C)	After 1000 hours' application of rated voltage, capacitors meet the characteristics requirements mentioned below.								
	Capacitance Change	Within ±25% of initial value @ 16VDC. Within ±20% of initial value @ 25VDC.							
	DF	200% or less of initial specified value.							
	Leakage Current	Initial specified value or less.							
Shelf Life (105°C)	After leaving capacitors under no load for 1000 hours and applying voltage according to JIS C- 5102 4-3, they meet the specified value for load life characteristics listed above.								

DIMENSIONS



DIMENSIONS (UNIT: mm)

D	4	5	6.3
P	1.5	2.0	2.5
dφ	0.45		

MULTIPLIER FOR RIPPLE CURRENT VS TEMP

Temperature (°C)	45	60	70	85	105
Multiplier	1.8	1.5	1.3	1	1

CASE SIZE OF STANDARD PRODUCTS (DXL (mm))

Cap. (µF)		WVDC						
		6.3	10	16	25	35	50	63
0.10	OR1						4x7	4x7
0.22	R22						4x7	4x7
0.33	R33						4x7	4x7
0.47	R47						4x7	4x7
1.0	010						4x7	4x7
2.2	2R2						4x7	4x7
3.3	3R3						4x7	5x7
4.7	4R7				4x7	4x7	4x7	5x7
10	100			4x7	4x7	4x7	5x7	6.3x7
22	220			4x7	5x7	5x7	6.3x7	
33	330			4x7	5x7	6.3x7	8x7	
47	470	4x7	5x7	5x7	6.3x7	8x7		
100	101	4x7	6.3x7	6.3x7	8x7			
220	221	6.3x7	8x7					
330	331	6.3x7						
470	471	8x7						

MAXIMUM RIPPLE ((mA) 85°C, 120Hz)

Cap. (µF)		WVDC						
		6.3	10	16	25	35	50	63
0.10	OR1						3	4
0.22	R22						3	4
0.33	R33						3	4
0.47	R47						5	6
1.0	010						10	13
2.2	2R2						19	21
3.3	3R3						24	26
4.7	4R7				15	20	29	33
10	100			30	30	30	32	35
22	220		35	37	45	47	50	
33	330		40	42	47	52	62	
47	470	35	47	65	65	70		
100	101	40	90	92	95			
220	221	65	125					
330	331	120						
470	471	150						