FEATURES

- Wide temperature range (-40°C ~ +105°C).
- Long life (1000 hours @ 105°C).
- Solvent resistant.

PART NUMBERING

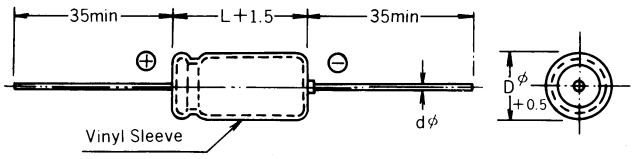
Part Number Example: 715E-050/100M6X13F							
715E	**-**	**050**	**/**	**100**	**M**	**6X13**	**F**
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).							

SPECIFICATIONS

Performance Characteristics									
Operating Temperature Range	-40°C ~ +105°C.								
Temperature Characteristics (120Hz)	Impedance Ratio								
	Rated Voltage (WVDC)	6.3	10	16	25	35	50	63	100
	Z (-25°C) / Z (+20°C)	4	3	2	2	2	2	2	2
	Z (-40°C) / Z (+20°C)	10	8	6	4	3	3	3	3
Voltage Range	6.3VDC ~ 100VDC.								
Capacitance Range	0.10μF ~ 15000μF.								
Capacitance Tolerance (20°C, 120Hz)	±20%.								
Maximum Dissipation Factor (20°C, 120Hz)	Rated Voltage (WVDC)	6.3	10	16	25	35	50	63	100
	DF %	22	20	16	14	12	10	10	8
	For capacitance of more than 1000μF add 0.02μF for every increase of 1000μF.								
Maximum Leakage Current	0.03CV or 4μA, whichever is greater, after 1 minute application of rated voltage.				0.01CV or 3μA, whichever is greater, after 2 minutes application of rated voltage.				
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 ±20% of initial value.							
	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.								

*For Low Leakage Current request Type 715 (0.002CV or 0.4μA, whichever is greater).

DIMENSIONS



DIMENSIONS (UNIT: mm)

D	5 ~ 13	16 ~ 25
dØ	0.6	0.8

CASE SIZE OF STANDARD PRODUCTS (DXL (mm))

Cap. (µF)		WVDC							
		6.3	10	16	25	35	50	63	100
0.1 ~ 0.47	R47	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13
1.0	010	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13
2.2	2R2	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	6 x 13
3.3	3R3	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	6 x 13
4.7	4R7	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	6 x 13	6 x 13
10	100	5 x 13	5 x 13	5 x 13	5 x 13	5 x 13	6 x 13	6 x 13	6 x 16
22	220	5 x 13	5 x 13	5 x 13	6 x 13	6 x 13	6 x 16	6 x 16	8 x 16
33	330	5 x 13	5 x 13	6 x 13	6 x 13	6 x 16	6 x 16	8 x 16	8 x 20
47	470	5 x 13	5 x 13	6 x 13	6 x 13	6 x 16	8 x 16	8 x 16	10 x 20
100	101	6 x 13	6 x 16	6 x 16	8 x 16	8 x 16	8 x 20	10 x 16	10 x 25
220	221	6.3 x 16	8 x 16	8 x 16	8 x 20	10 x 16	10 x 20	10 x 25	13 x 30
330	331	8 x 16	8 x 16	8 x 20	10 x 16	10 x 20	10 x 25	13 x 25	16 x 30
470	471	8 x 16	8 x 20	10 x 16	10 x 20	10 x 25	13 x 25	13 x 30	16 x 40
1000	102	10 x 20	10 x 20	10 x 25	13 x 25	13 x 30	16 x 30	16 x 40	18 x 40
2200	222	13 x 25	13 x 25	13 x 30	16 x 30	16 x 40	18 x 40	22 x 40	
3300	332	13 x 30	13 x 30	16 x 30	16 x 40	18 x 40	22 x 40		
4700	472	16 x 30	16 x 30	16 x 40	18 x 40	18 x 45	22 x 40		
6800	682	16 x 40	16 x 40	18 x 40	18 x 45	22 x 40			
10000	103	16 x 45	18 x 45	22 x 40	22 x 50				
15000	153	18 x 37	22 x 42	25 x 43					

For capacitance values or sizes not listed above, consult Factory or Area Representative.

MAXIMUM RIPPLE ((mA) 105°C, 120Hz)

Cap. (µF)		WVDC							
		6.3	10	16	25	35	50	63	100
0.1 ~ 0.47	R47	5	5	5	6	6	6	7	7
1.0	010	7	7	8	9	9	9	10	10
2.2	2R2	13	14	14	15	15	16	16	17
3.3	3R3	17	17	18	19	20	20	21	21
4.7	4R7	21	22	23	23	24	24	25	25
10	100	26	27	28	30	30	33	36	45
22	220	35	37	40	44	49	61	61	81
33	330	45	50	51	54	69	75	89	99
47	470	51	56	61	73	82	106	117	134
100	101	82	93	101	127	158	174	196	255
220	221	150	177	177	207	266	321	346	439
330	331	200	223	242	292	359	424	463	620
470	471	239	267	329	384	467	554	597	792
1000	102	395	488	572	672	816	1011	1163	1350
2200	222	733	783	912	1092	1140	1270	1320	
3300	332	953	1077	1215	1465	1350	1430		
4700	472	1215	1483	1585	1500	1550	3230		
6800	682	300	1510	1605	1610	2020			
10000	103	1360	1550	1650	1760				
15000	153	2480	2560	2830					

For capacitance values or sizes not listed above, consult Factory or Area Representative.