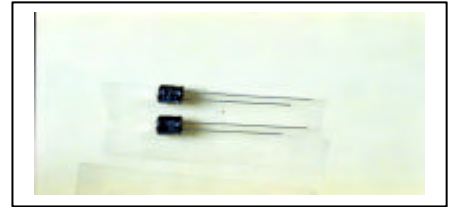


FX Series

Features
 Lifetime: 105 , 1000hrs
 Wide temperature range
 for SF
 Low profile/Ultra -miniature
 5mm height

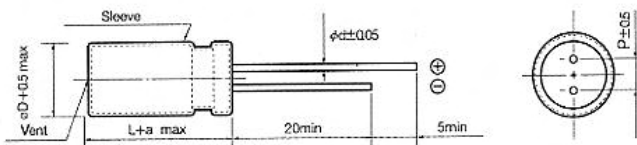
Recommended Applications
 AV(TV, Video, Audio)
 Monitor/Computer
 OA/HA/Communication
 Small signal



Specifications

Items	Characteristics								
Capacitance Tolerance	± 20% (M) (120Hz, 20)								
Rated Voltage Range (WV)	4~50 VDC								
Operating Temperature Range	-40 ~ +105								
Surge Voltage (V) (20)	WV	4	6.3	10	16	25	35	50	
	SV	5	8	13	20	32	44	63	
Leakage Current (Max) (20)	I = 0.01CV or 3 μ A whichever is greater (After rated voltage applied for 2 minutes)								
	I= Leakage Current (μ A) C= Nominal Capacitance (μ F) V= Rated Voltage (V)								
Dissipation Factor (Max) (tan) (120Hz , 20)	WV	4	6.3	10	16	25	35	50	
	tan	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
Low Temperature Stability Impedance Ratio (Max)	WV		4	6.3	10	16	25	35	50
	Z (120Hz)								
	Z(-25) / Z(20)		6	4	3	2	2	2	2
Z(-40) / Z(20)		12	8	6	4	4	4	4	
Load Life	After applying rated voltage for 1000 hours at 105 , the capacitor shall meet the following requirement.								
	Capacitance Change		Within ± 20% of the initial value						
	Dissipation Factor		Not more than 200% of the specified value						
Leakage Current		Not more than the specified value							
Shelf Life	After placed at 105 without voltage applied for 500 hours, the capacitor shall meet the same requirement as load life.								
Applicable standards	Refer to JIS C 5101								

Dimensions (mm)



D	4	5	6.3	8
P	1.5	2.0	2.5	2.5
d	0.45	0.45	0.45	0.45
a	1.0	1.0	1.0	1.0

Multiplier for Ripple Current

Frequency coefficient

Freq. (Hz)	50	120	1K	10K
WV (VDC)				
4~16	0.80	1.00	1.10	1.20
25~50	0.80	1.00	1.50	1.70

Temperature coefficient

Ambient Temperature ()	50	70	85	105
Coefficient	1.90	1.75	1.40	1.00



Case Size / Max Ripple Current

CASE SIZE (DxL(mm)) / MAX PERMISSIBLE RIPPLE CURRENT(RC(mArms) / 120Hz,105)

WV	4		6.3		10		16		25		35		50	
SPEC μF	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC
0.1													4x5	1
0.22													4x5	2
0.33													4x5	3
0.47													4x5	5
1													4x5	10
2.2													4x5	15
3.3													4x5	15
4.7							4x5	10	4x5	15	4x5	15	5x5	20
10			4x5	15	4x5	20	4x5	20	4x5	25	5x5	30	6.3x5	35
22	4x5	20	4x5	25	5x5	25	5x5	30	6.3x5	40	6.3x5	45	6.3x5	55
33	4x5	25	5x5	30	5x5	35	5x5	40	6.3x5	50				
47	5x5	30	5x5	35	6.3x5	45	6.3x5	55						
100	6.3x5	50	6.3x5	60	6.3x5	70	6.3x5	90						
220	6.3x5	70	8x5	95										
330	8x5	110	8x5	120										