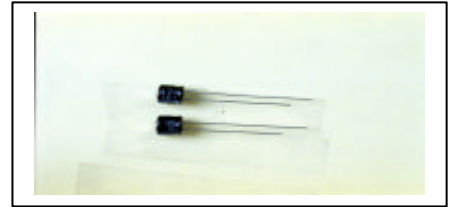


FX Series

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

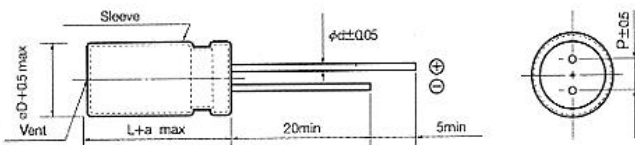
Recommended Applications
 AV(TV, Video, Audio)
 Monitor/Computer
 OA/HA/Communication
 Small signal



Specifications

Items	Characteristics								
Capacitance Tolerance	± 20% (M) (120Hz, 20 °C)								
Rated Voltage Range (WV)	4~50 VDC								
Operating Temperature Range	-40 ~ +105								
Surge Voltage (V) (20 °C)	WV	4	6.3	10	16	25	35	50	
	SV	5	8	13	20	32	44	63	
Leakage Current (Max) (20 °C)	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 δ) (120Hz, 20 °C)	WV	4	6.3	10	16	25	35	50	
	tan δ	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 °C) / Z(20 °C)		6	4	3	2	2	2	2
Z(-40 °C) / Z(20 °C)		12	8	6	4	4	4	4	
Load Life	After applying rated voltage for 1000 hours at 105 °C, 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						
Shelf Life	Leakage Current		Not more than the specified value						
	After placed at 105 °C 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~100K
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 (°C)	50	70	85	105
Coefficient	1.90	1.75	1.40	1.00

