



SM Super Mini Size 5mm Height

☆ FX series is fit for those electronic products which require high temperature. Shorten body length to 5mm, for the demand of smaller and thinner electronic products.

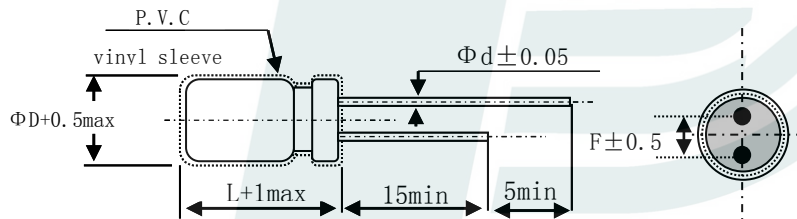
☆ Suitable for high-density electronic products, such as automatic office machines, calculators, car stereos and micro-recorders. DVD

■ Specifications

Operating temperature range	-40~+105°C							
Rated voltage range	4~50V DC							
Nominal capacitance range	0.1~470μF							
Capacitance tolerance	±20% (25°C, 120Hz)							
Leakage current	1 ≤ 0.01C _R U _R (μA) Whichever is greater (2minutes)							
tg δ	U _R (V)	4	6.3	10	16	25	35	50
Dissipation factor (25°C, 120Hz)	tg δ	0.35	0.24	0.23	0.2	0.16	0.13	0.12
Temperature characteristics (120Hz)	U _R (V)	4	6.3	10	16	25	35	50
	Z-40°C / Z+20°C	15	8	6	4	4	3	3
Load life	After applying rated voltage with specified ripple current for 2000hours at +105°C and then resumed 16hours; Capacitance change: Within ±20% of the initial measured value Leakage current: Not more than the initial specified value Dissipation factor: Not more than 200% of the initial specified value							
Shelf life	After storage for 1000hours at +105°C then resumed 16hours; Capacitance change: With ±20% of the initial measured value Leakage current: Not more than the initial specified value Dissipation factor: Not more than 200% of the initial specified value							

■ Case size table

Unit: (mm)



ΦD	3	4	5	6
F	1.0	1.5	2.0	2.5
Φd	0.4	0.45	0.45	0.45

■ Nominal capacitance, rated voltage, rated ripple current and case size table

C _R (uF)	U _R (V)	4 (0G)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
		Item code	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)
0.1	0R1													(3) 4×5	1
0.22	R22													(3) 4×5	2
0.33	R33													(3) 4×5	3
0.47	R47													(3) 4×5	4
1	010													(3) 4×5	6
2.2	2R2											(3) 4×5	8	(3) 4×5	8
3.3	3R3									(3) 4×5	10	4×5	12	4×5	15
4.7	4R7							3×5	10	(3) 4×5	12	4×5	16	4×5	18
10	100			(3) 4×5	15	4×5	17	4×5	18	5×5	13	5×5	27	5×5	27
22	220	3×5	17	(3) 4×5	21	5×5	29	5×5	34						
33	330	4×5	26	5×5	35	5×5	38								
47	470	4×5	31	4×5	43			5×5	52						
100	101	5×5	54	5×5	38	5×5	70	6×5	65						
220	221			6×5	52										
470	471			6×9	200										