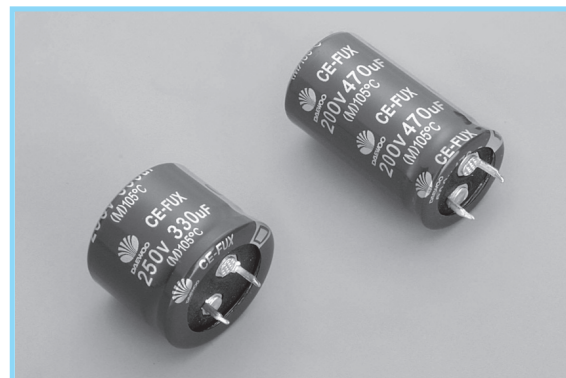


FUX SERIES

105°C, Miniature, PCB mounting

Features

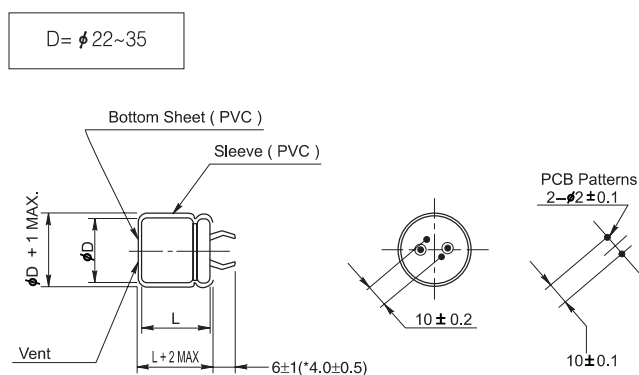
- PCB Mounting
- Super low profile (Smaller than FUH)
- More compact electronic equipment
- High CV density
- Load life of 2000 hours at 105°C



Specifications

Item	Performance Characteristics		
Operating temperature range	160V~250V: -40°C ~ +105°C, 315~450V: -25°C ~ +105°C		
Rated working voltage range	160V ~ 450V		
Nominal capacitance range	56μF ~ 2200μF, ±20% (at 20°C, 120Hz)		
D.C Leakage current(at 20°C)	The following specifications shall be satisfied when the rated voltage is applied for the required time. I ≤ 0.02CV or 2mA(5 min), whichever is less Where I =Leakage current(μA) C=Nominal capacitance(μF) V=Rated voltage(V)		
Tanδ (max., at 20°C, 120Hz)	W.V(V)	160~250	315~450
	Tanδ	0.15	0.20
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	160~250	350~450
	Z-25°C/Z 20°C	4	8
	Z-40°C/Z 20°C	12	-
Load life	After applying rated working voltage for 2000 hours at +105°C and then being stabilized at +20°C, capacitors shall meet following limits.		
	Capacitance change	Within ± 20% of the initial measured value	
	Tan δ	≤ ± 200% of the initial specified value	
	Leakage current	≤ The initial specified value	
Shelf life	After storage for 1000 hours at +105°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits.		
	Capacitance change	Within ± 20% of the initial measured value	
	Tanδ	≤ 150% of the initial specified value	
	Leakage current	≤ The initial specified value	

Dimensions



Ripple current coefficient

Frequency

W.V(V)	Freq(Hz)	50	120	1K	10K	100K
160~250		0.80	1.0	1.25	1.40	1.50
350~450		0.84	1.0	1.15	1.20	1.32

Temperature

Temperature	$\leq 45^\circ\text{C}$	60°C	85°C	105°C
Factor	2.40	2.20	1.65	1.0

* Shorter terminal is available upon request

FUX SERIES

Standard Ratings of FUX Series

W.V(V) Cap(μF)	160(2C)				180(2S)				200(2D)				250(2E)			
	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35
180													22x25			
													0.75			
220													22x30	25x25		
													0.95	0.95		
270					22x25				22x25				22x35	25x30		
					0.95				0.95				1.20	1.20		
330	22x25				22x30				22x30	25x25			22x40	25x30	30x25	
	1.15				1.17				1.20	1.20			1.25	1.25	1.25	
390	22x30				22x30	25x25			22x35	25x30			22x45	25x35	30x30	
	1.27				1.30	1.30			1.37	1.37			1.45	1.45	1.45	
470	22x35	25x25			22x35	25x30			22x40	25x30	30x25		22x50	25x40	30x30	35x25
	1.40	1.40			1.42	1.42			1.48	1.48	1.48		1.55	1.55	1.55	1.55
560	22x40	25x30			22x40	25x35	30x25		22x45	25x35	30x30			25x45	30x35	35x30
	1.52	1.52			1.53	1.53	1.52		1.57	1.57	1.60			1.80	1.78	1.80
680	22x45	25x35	30x30		22x45	25x40	30x30		22x50	25x40	30x30	35x25		25x50	30x40	35x35
	1.72	1.70	1.70		1.73	1.75	1.75		1.80	1.80	1.80	1.78		2.05	2.05	2.08
820	22x50	25x40	30x30	35x25	22x50	25x45	30x35	35x25		25x50	30x35	35x30			30x45	35x35
	2.05	2.05	2.00	2.00	2.08	2.08	2.05	2.05		2.15	2.10	2.15			2.20	2.20
1000		25x45	30x35	35x30		25x50	30x40	35x30			30x45	35x35			30x50	35x40
		2.25	2.25	2.25		2.30	2.30	2.25			2.40	2.40			2.45	2.45
1200		25x50	30x40	35x30			30x45	35x35			30x50	35x40				35x45
		2.50	2.50	2.45			2.52	2.52			2.58	2.58				2.60
1500			30x45	35x35			30x50	35x40				35x45				
			2.80	2.80			2.90	2.90				3.05				
1800			30x50	35x45				35x45				35x50				
			3.30	3.30				3.35				3.40				
2200				35x50				35x50								
				3.75				3.75								

W.V(V) Cap(μF)	315(2F)				350(2V)				400(2G)				450(2W)			
	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35
56													22x25			
													0.44			
68									22x25				22x30	25x25		
									0.50				0.50	0.50		
82									22x30	25x25			22x35	25x30		
									0.57	0.57			0.57	0.57		
100	22x25				22x25				22x35	25x30			22x40	25x30	30x25	
	0.68				0.69				0.70	0.70			0.72	0.72	0.72	
120	22x30	25x25			22x30	25x25			22x40	25x30	30x25		22x45	25x35	30x30	
	0.75	0.75			0.75	0.75			0.77	0.76	0.76		0.77	0.77	0.77	
150	22x35	25x30			22x35	25x30			22x45	25x35	30x30		22x50	25x40	30x30	
	0.80	0.80			0.82	0.82			0.84	0.84	0.84		0.85	0.85	0.85	
180	22x40	25x30	30x25		22x45	25x35	30x25		22x50	25x40	30x30	35x25		25x45	30x35	
	0.91	0.91	0.90		0.94	0.92	0.92		0.94	0.94	0.94	0.94		0.95	0.94	
220	22x45	25x35	30x30		22x50	25x40	30x30	35x25		25x45	30x35	35x30		25x50	30x40	35x30
	1.00	1.00	1.02		1.04	1.04	1.02	1.02		1.08	1.08	1.08		1.10	1.10	1.10
270	22x50	25x40	30x35	35x25		25x45	30x35	35x30		25x50	30x40	35x30			30x45	35x35
	1.12	1.12	1.12	1.12		1.15	1.15	1.15		1.22	1.22	1.22			1.25	1.25
330		25x45	30x35	35x30		25x50	30x40	35x35			30x45	35x35			30x50	35x40
		1.32	1.32	1.32		1.35	1.35	1.35			1.40	1.40			1.43	1.43
390			30x40	35x35			30x45	35x40			30x50	35x40				35x45
			1.44	1.44			1.50	1.50			1.55	1.55				1.60
470			30x45	35x40				35x45				35x45				35x50
			1.65	1.65								1.75				1.75
560			30x50	35x45				35x50				35x50				
			1.85	1.85				1.95				2.00				
680				35x50												
				2.10												

Max. permissible ripple current [A(rms) at 105°C, 120Hz]

Case size [φ DxL(mm)]