

ME-PX Series

125°C, 4,000Hours

High Performance



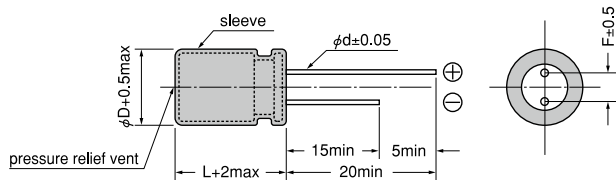
- 125°C, 2,000 to 4,000hours
- Solvent proof (within 5 minutes)

ME-PX
↑ 125°C
ME-AX (P.80)

Specifications

Items		Condition	Specifications					
Rated voltage (V)		—	10	16	25	35	50	100
Surge voltage (V)		Room temperature	13	20	32	44	63	125
Category temperature range (°C)		—	-55 to +125					
Capacitance tolerance (%)		120Hz/20°C	M : ±20					
Dissipation Factor (tanδ)	tanδ (max) 120Hz/20°C		0.20	0.16	0.14	0.12	0.10	0.08
			Exceeding 1,000µF, +0.02 every 1,000µF					
Leakage current (LC)	µA/after 2minutes (max)		The greater value of either 0.01CV or 3					
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z/Z _{20°C}	2	2	2	2	2	2
		-55°C Z/Z _{20°C}	4	3	3	3	2	2
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	φ8 : 2,000hours, φ10 : 3,000hours, φ12.5 to φ18 : 4,000hours					
		ΔC/C	Within ±30% of the initial value					
		tan δ	Less than 300% of the specified value					
		LC	Less than the specified value					

Dimensions



(Unit : mm)

φD	8	10	12.5	16	18
F	3.5	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.6	0.8	0.8

Size, Impedance, Rated Ripple Current

µF \ V	10	16	25	35	50	100
10					8×11.5 0.95 150	8×11.5 1.5 150
22					8×11.5 0.65 210	8×12.5 1.5 190
33					8×12.5 0.45 230	10×12.5 0.75 330
47				8×12.5 0.45 230	8×12.5 0.45 230	10×16 0.57 400
100		8×11.5 0.39 250	8×12.5 0.26 280	10×12.5 0.35 315	10×12.5 0.35 315	12.5×20 0.29 580
220	8×12.5 0.26 280	10×12.5 0.20 350	10×12.5 0.17 380	10×16 0.29 420	10×20 0.20 560	16×25 0.22 670
330	10×12.5 0.20 350	10×12.5 0.17 380	10×16 0.15 490	10×20 0.20 560	12.5×20 0.12 630	16×31.5 0.15 810
470	10×12.5 0.17 380	10×16 0.15 490	10×20 0.12 590	12.5×20 0.12 630	12.5×25 0.10 770	18×31.5 0.11 950
1000	10×20 0.12 590	12.5×20 0.073 770	12.5×25 0.050 1050	16×25 0.058 980	16×31.5 0.045 1200	
2200	12.5×25 0.050 1050	16×25 0.044 1150	16×31.5 0.030 1500			
3300	16×25 0.044 1150	16×31.5 0.030 1500				
4700	16×31.5 0.030 1500					

Please refer to page 15 for ripple current frequency coefficients.

Impedance(Ω)
max at 100kHz, 20°C

Case size: φD×L(mm)
Rated ripple current
mA rms (10k to 100kHz, 125°C)

Part number

