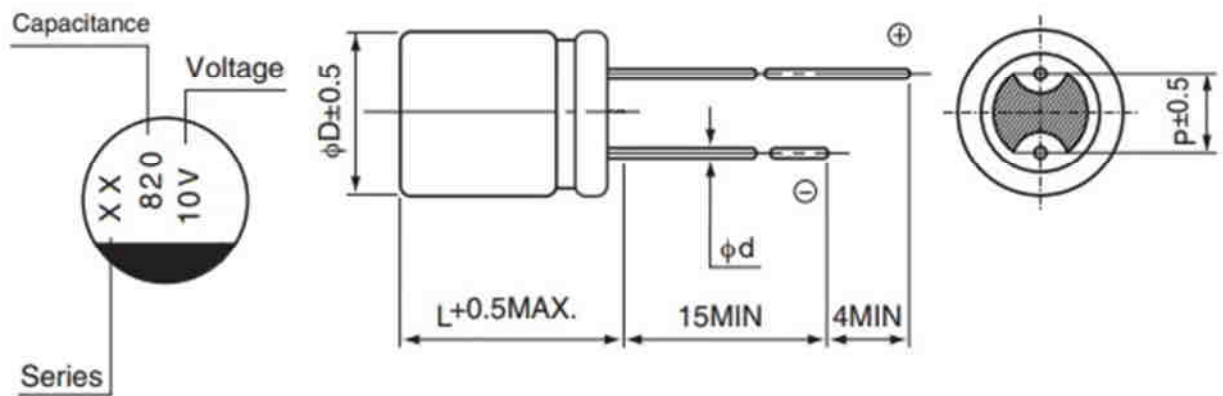


ПОЛИМЕРНЫЙ ЭЛЕКТРОЛИТИЧЕСКИЙ КОНДЕНСАТОР

КЕМЕТ



(mm)

Size	$\phi 8 \times 9L$	$\phi 8 \times 12L$	$\phi 10 \times 13L$
ϕD	8.0	8.0	10.0
L	8.5	11.5	12.5
P	3.5	3.5	5.0
ϕd	0.6	0.6	0.6

Specifications

Item	Performance Characteristics		
Category Temperature Range	-55 to +105°C		
Rated Voltage Range	2.5 to 16V		
Rated Capacitance Range	330 to 3900µF		
Capacitance Tolerance	±20% at 120Hz, 20°C		
Tangent of loss angle (tan δ)	Less than or equal to the specified value at 120Hz, 20°C		
ESR (※1)	Less than or equal to the specified value at 100kHz, 20°C		
Leakage Current (※2)	Less than or equal to the specified value. After 2 minutes' application of rated voltage at 20°C		
Temperature Characteristics (Max.Impedance Ratio)	Z+105°C / Z+20°C ≤ 1.25 (100kHz) Z-55°C / Z+20°C ≤ 1.25		
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 105°C.	Capacitance change	Within ± 20% of the initial capacitance value (※3)
		tan δ	150% or less than the initial specified value
		ESR (※1)	150% or less than the initial specified value
		Leakage current (※2)	Less than or equal to the initial specified value
Damp Heat (Steady State)	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 60°C, 90% RH.	Capacitance change	Within ± 20% of the initial capacitance value (※3)
		tan δ	150% or less than the initial specified value
		ESR (※1)	150% or less than the initial specified value
		Leakage current (※2)	Less than or equal to the initial specified value
Resistance to Soldering Heat	After soldering the capacitor under the soldering conditions prescribed here as preheat at 150 to 200°C for 60 to 180 seconds and peak temperature at 265°C for 10 seconds or less, the capacitor shall meet the specifications listed at right, provided that its temperature profile is measured at both of terminal ends facing the soldering side.	Capacitance change	Within ± 10% of the initial capacitance value (※3)
		tan δ	130% or less than the initial specified value
		ESR (※1)	130% or less than the initial specified value
		Leakage current (※2)	Less than or equal to the initial specified value
Marking	Navy blue print on the case top		

※1 ESR should be measured at both of the terminal ends closest to the capacitor body.

※2 Conditioning : If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minutes at 105°C.

※3 Initial value : The value before test of examination of resistance to soldering.

Standard Ratings

Rated Voltage (V)	Surge Voltage (V)	Rated Capacitance (µF)	Case Size φD × L (mm)	tan δ	Leakage Current (µA)	ESR (mΩ) (at 100kHz 20°C)	Rated Ripple (mArms)
2.5	2.8	1800	8 × 9	0.08	900	9	6000
		2200	8 × 12	0.08	1100	8	6700
		2700	10 × 13	0.08	1350	8	5560
		3900	10 × 13	0.08	1950	8	7000
4	4.6	1200	8 × 9	0.08	960	9	5900
		1800	8 × 12	0.08	1440	9	6500
		2700	10 × 13	0.08	2160	8	6900
6.3	7.2	820	8 × 9	0.08	1033	9	5700
		1200	8 × 12	0.08	1512	9	6100
		1500	10 × 13	0.08	1890	9	6300
		1800	10 × 13	0.08	2268	8	6600
10	11.5	560	8 × 9	0.08	1120	11	5100
		820	8 × 12	0.08	1640	10	5800
		1200	10 × 13	0.08	2400	9	6200
16	18.4	330	8 × 9	0.08	1056	13	4700
		470	8 × 12	0.08	1504	11	5400
		820	10 × 13	0.08	2624	11	5600

Rated ripple current (mArms) at 105°C 100kHz