

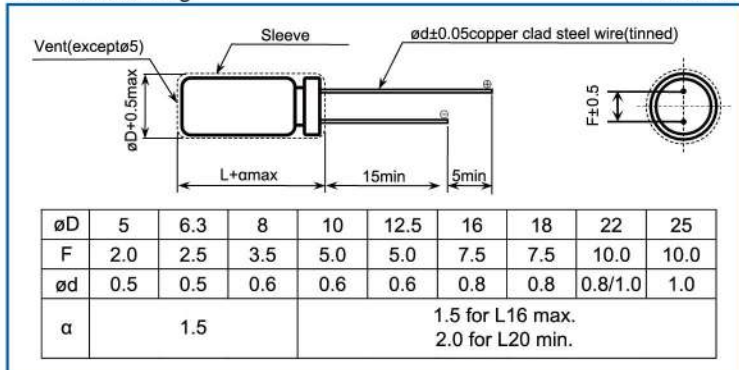
85°C Miniature Standard Capacitors, Series KR1.

Guaranteed 2000 hours at 85°C

RoHS

Outline Drawing

Unit: mm



Photo



Marking color: white print on black sleeve

Specifications

No.	Item	Performance											
		-40 to +85 (6.3V ~ 100V)					-25 to +85 (160V ~ 500V)						
1	Temperature range(°C)	-40 to +85 (6.3V ~ 100V)					-25 to +85 (160V ~ 500V)						
2	Leakage current (µA)	Less than 0.01CV or 3 whichever is larger (after two minutes)					Less than 0.02CV or 3 whichever is larger (after two minutes)						
3	Capacitance tolerance (%)	± 20 (20°C, 120Hz)											
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	6.3	10	16	25	35	50	63	100	160-250	350-500	20°C 120Hz
		Tanδ(max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.15	
		0.02 is added to each 1000uF increase over 1000uF.											
5	Low temperature characteristics	Rated voltage (V)	6.3	10	16	25	35	50	63	100	160-250	350-500	120Hz
		Impedance ratio(max)	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	2	2	4	
		Z(-40°C)/Z(+20°C)	8	6	4	4	3	3	3	3	15	10	
6	Endurance (85°C) (Applied ripple current)	Test time	2000hours										
		Leakage current	The initial specified value or less										
		Percentage of capacitance change	Within ± 20% of initial value										
		Tangent of the loss angle	200% or less of the initial specified value										
7	Shelf life (85°C)	Test time	1000hours										
		Leakage current	The initial specified value or less										
		Percentage of capacitance change	Within ± 20% of initial value										
		Tangent of the loss angle	200% or less of the initial specified value										
8	Applicable standards	JIS-C-5101-4(IEC60384)											

Coefficient of Frequency for Ripple Current

Rated voltage (V)	Frequency (Hz)	CV(µFXV)				
		50-60	120	1K	10K	100K
6.3 to 16	All CV value	0.80	1.00	1.10	1.20	1.20
	≤ 1000	0.80	1.00	1.50	1.70	1.70
25 to 35	> 1000	0.80	1.00	1.20	1.30	1.30
	≤ 1000	0.80	1.00	1.60	1.90	1.90
50 to 100	> 1000	0.80	1.00	1.20	1.30	1.30
	All CV value	0.80	1.00	1.30	1.50	1.60

Coefficient of Temperature for Ripple Current

Temperature(°C)	70 or less	85
Coefficient	1.35	1.00



Dimension: Φ DXL(mm)
Ripple Current: mA/rms at 120Hz, 85°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC μ F Contents	6.3V				10V				16V				25V			
	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA
4.7													5X11	31		
10									5X11	49			5X11	54		
22					5X11	70			5X11	75			5X11	80		
33	5X11	72			5X11	84			5X11	90			5X11	97		
47	5X11	90			5X11	100			5X11	110			5X11	115		
100	5X11	130			5X11	145			6.3X11	180	5X11	160	6.3X11	190		
220	6.3X11	230	5X11	200	6.3X11	250	5X11	220	8X11.5	300	6.3X11	260	8X11.5	320		
330	8X11.5	290	6.3X11	270	8X11.5	350	6.3X11	290	8X11.5	370			10X12.5	470	8X11.5	440
470	8X11.5	380	6.3X11	320	8X11.5	415	6.3X11	350	10X12.5	520	8X11.5	440	10X16	620	10X12.5	545
1000	8X11.5	540			10X12.5	650			10X16	785			12.5X25	1090	12.5X20	955
2200	10X20	1000			12.5X20	1240	10X20	1070	12.5X20	1295			16X25	1660	12.5X25	1540
3300	10X20	1185			12.5X20	1420			16X25	1840	12.5X25	1655	16X31.5	2070	16X25	1975
4700	12.5X20	1545			16X25	1980	12.5X25	1780	16X31.5	2260	16X25	2090	18X35.5	2520	16X31.5	2420
6800	12.5X25	1880			16X25	2220			16X31.5	2520			18X35.5	2880		
10000	16X25	2330			18X35.5	2880	16X35.5	2670	18X40	3080	18X35.5	2920	22X40	3440	18X40	3080
22000	18X40	3320			22X40	3790	18X40	3370	22X40	3900						

V.DC μ F Contents	35V				50V				63V				100V			
	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA
0.1					5X11	1.5			5X11	3			5X11	3		
0.22					5X11	3.5			5X11	4.5			5X11	5.8		
0.33					5X11	5			5X11	7.5			5X11	8.8		
0.47					5X11	7			5X11	9.5			5X11	12		
1					5X11	15			5X11	17			5X11	22		
2.2					5X11	29			5X11	28			5X11	33		
3.3					5X11	35			5X11	34			5X11	40		
4.7	5X11	40			5X11	42			5X11	45			5X11	48		
10	5X11	58			5X11	65			5X11	70			6.3X11	80		
22	5X11	87			5X11	95			6.3X11	115			8X11.5	135	6.3X11	115
33	6.3X11	115	5X11	108	6.3X11	136			8X11.5	150	6.3X11	140	10X16	195	8X11.5	145
47	6.3X11	145	5X11	130	6.3X11	165			8X11.5	190	6.3X11	170	10X16	255	10X12.5	235
100	8X11.5	240	6.3X11	210	8X11.5	260			10X12.5	320			10X20	370		
220	10X12.5	420	8X11.5	385	10X16	490	10X12.5	440	10X20	565	10X16	490	12.5X25	675	12.5X20	640
330	10X16	570	10X12.5	490	12.5X20	635	10X20	570	12.5X20	765	10X20	710	16X31.5	972	16X25	825
470	10X16	740			12.5X20	860			16X25	1050	12.5X20	900	18X35.5	1135	16X31.5	1070
1000	12.5X20	1145			16X25	1530	12.5X25	1250	16X31.5	1700	16X25	1560	22X40	2600	18X40	2410
2200	16X31.5	1890	16X25	1785	18X40	2231	16X40	2200	18X40	2385						
3300	18X35.5	2430	16X35.5	2275	22X40	2785	18X40	2700	22X40	3000						
4700	18X40	2890	18X35.5	2700	25X40	3300	22X40	3300	25X40	3560						



Dimension: Φ DXL(mm)

Ripple Current: mA/rms at 120Hz, 85°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

μ F	V.DC Contents	160V				200V				250V			
		Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA
0.47		6.3X11	15	5X11	13	6.3X11	15	5X11	13	5X11	12		
1		6.3X11	24	5X11	20	6.3X11	24	5X11	20	6.3X11	17		
2.2		6.3X11	34	5X11	29	6.3X11	34	5X11	29	6.3X11	20	8X11.5	33
3.3		8X11.5	50	6.3X11	43	8X11.5	50	6.3X11	43	10X12.5	38	8X11.5	43
4.7		8X11.5	60	6.3X11	51	8X11.5	60	6.3X11	51	8X11.5	48	10X12.5	51
6.8		8X11.5	56	6.3X11	44	8X11.5	56			8X11.5	56	10X12.5	60
10		8X11.5	75	10X12.5	83	8X11.5	75	10X12.5	83	10X12.5	90	10X16	105
22		10X16	110	10X20	135	10X16	110	10X20	135	10X20	135	12.5X20	165
33		10X20	205	10X16	165	10X20	205	10X16	165	12.5X20	210	12.5X25	220
47		12.5X20	250	10X20	220	12.5X20	250	10X20	220	12.5X20	240	12.5X25	260
68		12.5X25	370	12.5X20	295	12.5X25	370	12.5X20	295	16X25	390	12.5X25	325
100		16X25	460	12.5X25	395	16X25	460	12.5X25	395	16X31.5	450	16X25	440
120		16X25	550			16X25	550			16X31.5	560	16X25	497
150		16X31.5	580	16X25	555	16X31.5	580	16X25	555	16X31.5	600		
180		16X31.5	660	16X25	608	16X31.5	660			18X31.5	680		
220		18X35.5	750	16X31.5	740	18X35.5	750	16X31.5	740				
330		18X35.5	940			18X35.5	940						
470		18X40	1000			18X40	1000						

μ F	V.DC Contents	350V				400V				450V			
		Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA
0.47		6.3X11	12	8X11.5	12	6.3X11	12	8X11.5	12	6.3X11	12	8X11.5	12
1		6.3X11	20	8X11.5	22	6.3X11	20	8X11.5	22	6.3X11	20	8X11.5	22
2.2		6.3X11	63	8X11.5	57	6.3X11	63	8X11.5	57	6.3X11	28	8X11.5	32
3.3		8X11.5	86	10X12.5	78	8X11.5	86	10X12.5	78	10X12.5	42	8X11.5	39
4.7		8X11.5	55	10X12.5	66	8X11.5	55	10X12.5	66	10X12.5	52	8X11.5	46
6.8		8X11.5	60	10X12.5	80	8X11.5	60	10X12.5	80	10X12.5	80		
10		10X16	105	10X20	115	10X16	105	10X20	115	10X20	100	10X16	90
22		12.5X20	190	12.5X25	148	12.5X20	190	10X20	148	12.5X25	185	12.5X20	168
33		12.5X25	230	16X25	250	12.5X25	230	16X25	250	16X25	260	12.5X25	227
47		16X25	270	16X31.5	290	16X25	270	16X31.5	290	16X25	310	16X31.5	340
68		16X31.5	310	18X25	330	16X31.5	310	18X25	330	18X31.5	440	16X31.5	414
100		18X31.5	440	18X35.5	450	18X31.5	440	18X35.5	450	18X35.5	400	18X40	420
120		18X40	520			18X40	520			18X45	690	18X40	650

μ F	V.DC Contents	500V	
		Φ DXL	mA
2.2		8X11.5	63
3.3		10X12.5	78
4.7		10X16	103
10		10X20	174
22		12.5X25	282
33		16X25	438
47		18X31.5	500



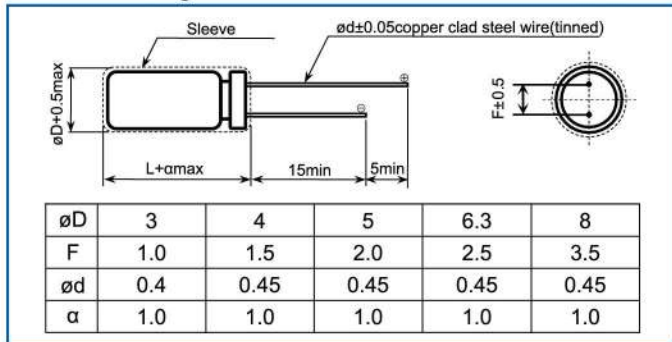
5mm L, Standard Capacitors, Series KC3.

Diameters from $\Phi 3\text{mm}$ to $\Phi 8\text{mm}$ and a height of 5mm
Guaranteed 1000 hours at 85°C

RoHS

Outline Drawing

Unit: mm



Photo



Marking color: white print on black sleeve

Specifications

No.	Item	Performance									
1	Temperature range (°C)	-40 to +85									
2	Leakage current (μA)	Less than 0.01CV or 3 whichever is larger (after two minutes) C: Rated Capacitance (μF); V: Rated voltage (V) 20°C									
3	Capacitance tolerance (%)	± 20 (20°C, 120Hz)									
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	4	6.3	10	16	25	35	50	20°C, 120Hz	
		Tan δ (max)	0.35	0.24	0.20	0.16	0.14	0.12	0.10		
5	Low temperature characteristics	Rated voltage (V)	4	6.3	10	16	25	35	50	120Hz	
		Impedance ratio(max)	$Z_{(-25^\circ\text{C})}/Z_{(+20^\circ\text{C})}$	7	4	3	2	2	2		
			$Z_{(-40^\circ\text{C})}/Z_{(+20^\circ\text{C})}$	15	8	6	4	4	3	3	
6	Endurance (85°C) (Applied ripple current)	Test time	1000hours								
		Leakage current	The initial specified value or less								
		Percentage of capacitance change	Within $\pm 20\%$ of initial value								
		Tangent of the loss angle	200% or less of the initial specified value								
7	Shelf life (85°C)	Test time	500hours								
		Leakage current	The initial specified value or less								
		Percentage of capacitance change	Within $\pm 20\%$ of initial value								
		Tangent of the loss angle	200% or less of the initial specified value								
8	Applicable standards	JIS-C-5101-4(IEC60384)									

Coefficient of Frequency for Ripple Current

Rated voltage (V)	Frequency (Hz)			
	50-60	120	1K	10K-100K
4 to 16	0.80	1.00	1.10	1.20
25 to 35	0.80	1.00	1.50	1.70
50	0.80	1.00	1.60	1.90

Coefficient of Temperature for Ripple Current

Temperature (°C)	45	50	70	85
Coefficient	1.80	1.50	1.30	1.00



Dimension: Φ DXL(mm)
Ripple Current: mA/rms at 120Hz, 85°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC Contents μ F	4V		6.3V		10V		16V		25V		35V		50V	
	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA
0.1													4X5(3X5)	1(1)
0.22													4X5(3X5)	2(2)
0.33													4X5(3X5)	3(2.8)
0.47													4X5(3X5)	5(4)
1													4X5(3X5)	8.7(7)
2.2											4X5(3X5)	8.7(7)	4X5	10
3.3									4X5(3X5)	11(10)	4X5	12	4X5	13
4.7							4X5(3X5)	14(11)	4X5	14	4X5	17	5X5	20
10					4X5(3X5)	17(13)	4X5	23	5X5	27	5X5	27	6.3X5	31
22			4X5	22	5X5	30	4X5	35	6.3X5	42	6.3X5	46	6.3X5	46
33	4X5	27	4X5	34	5X5	41	5X5	49	6.3X5	52	6.3X5	52	8X5	66
47	4X5	34	5X5	37	6.3X5	50	6.3X5	58	6.3X5	58	8X5	72		
100	5X5	55	6.3X5	62	6.3X5	70	8X5	99	8X5	99				
220	6.3X5	74	8X5	104	8X5	120								
330	8X5	142	8X5	145										

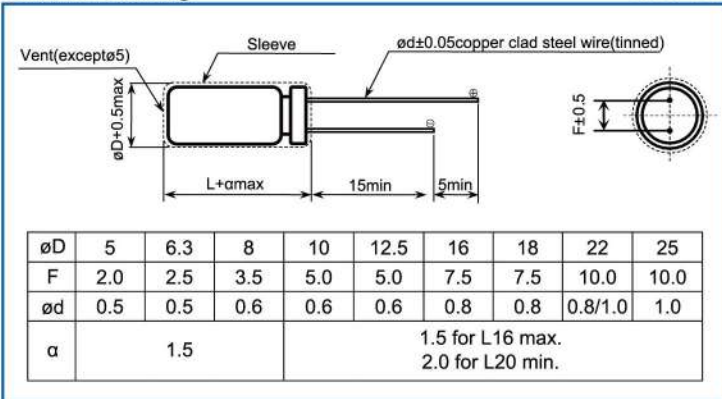
85°C Miniature Standard Capacitors, 9–25mm Height Low Profile Series.

Miniaturized low profile.
Height 9mm–25mm max.
Safety vent construction design.
RoHS Compliant

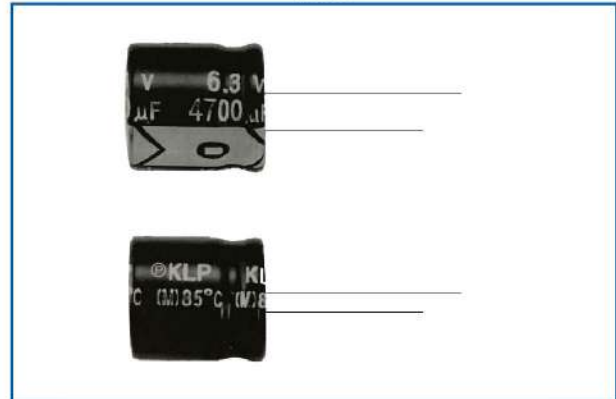
RoHS

Outline Drawing

Unit: mm



Photo



Marking color: white print on black sleeve

Specifications

No.	Item	Performance											
1	Temperature range(°C)	-40 to +85 (6.3V~100V)						-25 to +85 (160V~500V)					
2	Leakage current (μA)	Less than 0.01CV or 3 whichever is larger (after one minutes)						Less than 0.03CV or 3 whichever is larger (after one minutes)					
		C: Rated Capacitance (μ F). V: Rated voltage (V) 20°C											
3	Capacitance tolerance (%)	±20(20°C,120Hz)											
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	6.3	10	16	25	35	50	63	100	160-250	350-500	20°C 120Hz
		Tanδ(max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.15	
		0.02 is added to each 1000uF increase over 1000uF.											
5	Low temperature characteristics	Rated voltage (V)	6.3	10	16	25	35	50	63	100	160-250	350-500	120Hz
		Impedance ratio(max)	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	2	2	4	
		Z(-40°C)/Z(+20°C)	8	6	4	4	3	3	3	3	15	10	
6	Endurance (85°C) (Applied ripple current)	Test time	2000hours										
		Leakage current	The initial specified value or less										
		Percentage of capacitance change	Within ± 20% of initial value										
		Tangent of the loss angle	200% or less of the initial specified value										
7	Shelf life (85°C)	Test time	1000hours										
		Leakage current	The initial specified value or less										
		Percentage of capacitance change	Within ± 20% of initial value										
		Tangent of the loss angle	200% or less of the initial specified value										
8	Applicable standards	JIS-C-5101-4(IEC60384)											

Dimension: Φ DXL(mm)

Ripple Current: mA/rms at 120Hz, 85°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC μ F	6.3V				10V				16V				25V			
	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA
4.7																
10																
22																
33																
47													5X9	105		
68									5X9	120			6.3X9	130		
100	5X9	128			5X9	134			6.3X9	160			6.3X9	175		
150	5X9	150			6.3X9	180			6.3X9	260			8X9	280		
220	6.3X9	180			6.3X9	210			8X9	290			8X9	310		
330	6.3X9	247			8X9	300			8X9	340	10X9	355	10X9	400		
470	8X9	360			8X9	360			10X9	410			10X12.5	525		
680	10X9	420			10X9	540			10X12.5	560			10X16	700	13X13	730
1000	10X9	530			10X12.5	625			13X13	750			13X16	1050		
2200	13X16	1050			13X16	1080			16X16	1150			16X21	1350	18X16	1300
3300	16X16	1200			16X16	1350			16X16	1500	18X16	1460	18X21	1600		
4700	16X16	1500			16X21	1550			18X21	1650			18X25	2100		
6800	16X21	1550	18X16	1600	18X21	1850			18X25	2120						
10000	18X21	2000			18X25	2300										
22000																

V.DC μ F	35V				50V				63V				100V			
	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA
2.2					5X9	23			5X9	26			5X9	27		
3.3					5X9	30			5X9	31			5X9	33		
4.7					5X9	35			5X9	36			6.3X9	41		
6.8					5X9	50			5X9	54			6.3X9	59		
10					5X9	64			6.3X9	68			8X9	78		
22					5X9	86			6.3X9	102			8X9	107		
33	5X9	95			6.3X9	115			8X9	135			10X9	155		
47	6.3X9	120			6.3X9	135			10X9	170			10X16	220		
68	6.3X9	140			8X9	155			10X9	200			10X16	261	13X13	270
100	8X9	220			10X9	230			10X16	340			13X13	410		
150	8X9	300			10X9	320			13X13	384			16X16	579		
220	10X9	335			10X16	380	13X13	400	13X13	490			16X21	668		
330	10X12.5	475			13X13	530	13X16	550	16X16	610			16X25	864		
470	13X13	590	13X16	650	13X16	720	16X16	750	16X16	840			18X25	1361		
680	13X16	750			16X16	805			16X21	950						
1000	16X16	1230			16X21	1450			18X25	1600						
2200	18X21	1600			18X25	1650										
3300	18X25	1750														
4700																



Dimension: Φ DXL(mm)
Ripple Current: mA/rms at 120Hz, 85°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC Contents μ F	160V				200V				250V			
	* Φ DXL	mA	* Φ DXL	mA	* Φ DXL	mA	* Φ DXL	mA	* Φ DXL	mA	* Φ DXL	mA
0.47												
1												
2.2												
3.3												
4.7	8X9	50			8X9	55			8X9	60	10X9	52
6.8	8X9	75			8X9	78			10X9	82		
10	10X9	87			10X9	92			10X9	98	10X16	120
22	10X16	135			13X16	150			13X16	165	16X16	210
33	13X16	175			13X16	190	16X16	200	16X16	230	18X16	260
47	13X16	285	16X16	325	16X16	320			16X21	340	18X16	380
68	16X16	340			16X16	360	18X16	390	16X21	420		
100	16X21	515			16X21	575			18X21	610		
150	18X21	620			18X25	645			18X25	685		
220	18X25	840										
330												
470												

V.DC Contents μ F	350V				400V				450V			
	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA	Φ DXL	mA	* Φ DXL	mA
1.5									8X9	30		
2.2					8X9	38			10X9	46		
3.3	8X9	45			10X9	50			10X9	55		
4.7	10X9	78			10X9	90			10X12.5	105		
6.8	10X16	105			13X16	125			13X16	135		
10	13X16	145			13X16	160	16X16	190	16X16	200		
22	16X16	190			16X21	230	18X16	225	16X21	250		
33	16X21	270	18X16	335	18X21	300			18X21	320		
47	18X21	360			18X21	385			18X25	410		
68	18X25	510			18X25	540						
100												
120												
150												
180												



Coefficient of Frequency for Ripple Current

Rated voltage (V)	Frequency (Hz)	50-60	120	1K	10K	100K
	CV(μ F X V)					
6.3 to 16	All CV value	0.80	1.00	1.30	1.50	1.50
25 to 35	≤ 1000	0.80	1.00	1.30	1.50	1.50
	> 1000	0.80	1.00	1.20	1.30	1.30
50 to 100	≤ 1000	0.80	1.00	1.20	1.30	1.30
	> 1000	0.80	1.00	1.10	1.20	1.20
160 to 500	All CV value	0.80	1.00	1.10	1.20	1.20

Coefficient of Temperature for Ripple Current

Temperature(°C)	70 or less	85
Coefficient	1.35	1.00



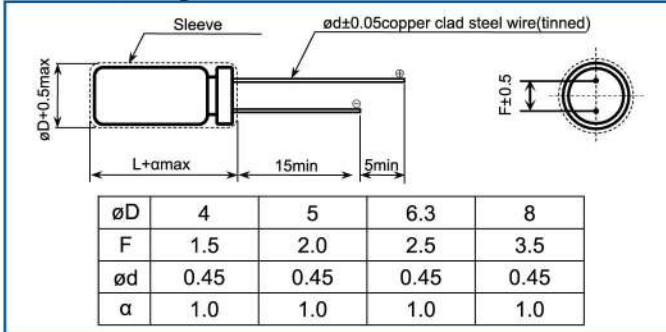
7mm L, Miniature Capacitors, Series KR2 .

Conventional KR2 is further reduced in size
Diameter from $\Phi 4$ to $\Phi 8$ and height of 7mm
Guaranteed 1000 hours at 85°C

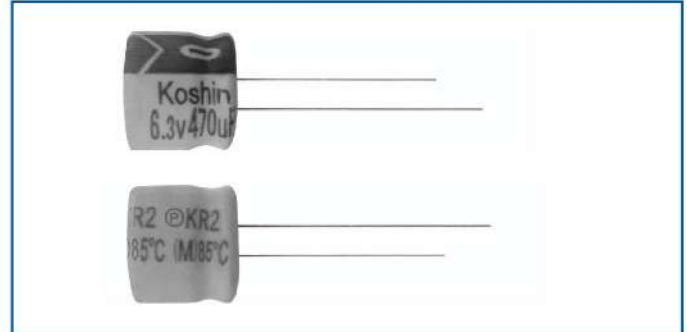
RoHS

Outline Drawing

Unit: mm



Photo



Marking color: black print on blue sleeve

Specifications

No.	Item	Performance										
1	Temperature range(°C)	40 to +85										
2	Leakage current (μA)	Less than 0.01CV or 3 whichever is larger (after two minutes) C: Rated Capacitance(μF); V: Rated voltage(V) 20°C										
3	Capacitance tolerance (%)	± 20 (20°C,120Hz)										
4	Tangent of the loss angle (Tan δ)	Rated voltage (V)	4	6.3	10	16	25	35	50	63	100	20°C,120Hz
		Tan δ (max)	0.35	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	
5	Low temperature characteristics	Rated voltage (V)	4	6.3	10	16	25	35	50	63	100	120Hz
		Impedance ratio(max)	$Z_{(-25^{\circ}C)}/Z_{(+20^{\circ}C)}$	6	4	3	2	2	2	2	2	
6	Endurance (85°C) (Applied ripple current)	Test time	1000hours									
		Leakage current	The initial specified value or less									
		Percentage of capacitance change	Within $\pm 20\%$ of initial value									
		Tangent of the loss angle	200% or less of the initial specified value									
7	Shelf life (85°C)	Test time	500hours									
		Leakage current	The initial specified value or less									
		Percentage of capacitance change	Within $\pm 20\%$ of initial value									
		Tangent of the loss angle	200% or less of the initial specified value									
8	Applicable standards	JIS-C-5101-4(IEC60384)										

Coefficient of Frequency for Ripple Current

Frequency (Hz)	50-60	120	1K	10K-100K
Rated voltage (V)				
4 to 16	0.80	1.00	1.10	1.20
25 to 35	0.80	1.00	1.50	1.70
50 to 100	0.80	1.00	1.60	1.90

Coefficient of Temperature for Ripple Current

Temperature(°C)	70 or less	85
Coefficient	1.35	1.00



Dimension: Φ DXL(mm)
Ripple Current: mA/rms at 120Hz, 85°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

μ F	V.DC Contents	4V		6.3V		10V		16V		25V	
		Φ DXL	mA	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA
0.1										4X7	2
0.22										4X7	3
0.33										4X7	4.4
0.47										4X7	7.9
1										4X7	11
2.2										4X7	17
3.3										4X7	20
4.7										4X7	22
10								4X7	28	4X7	30
22				4X7	33	4X7	35	5X7*	42	5X7*	50
33		4X7	33	4X7	40	4X7	43	5X7	55	6.3X7	58
47		4X7	38	4X7	42	5X7*	58	6.3X7*	68	6.3X7	71
100		5X7	61	6.3X7*	78	6.3X7	90	6.3X7	92	8X7	125
220		6.3X7	95	6.3X7	120	8X7	140	8X7	146		
330		8X7	154	8X7	160	8X7	165				
470		8X7	160								

μ F	V.DC Contents	35V		50V		63V		100V	
		Φ DXL	mA	Φ DXL	mA	Φ DXL	mA	Φ DXL	mA
0.1				4X7	2	4X7	2		
0.22				4X7	3	4X7	3		
0.33				4X7	4	4X7	4.4		
0.47				4X7	5	4X7	7.9		
1				4X7	10	4X7	11	4X7	12
2.2				4X7	15	4X7	17	5X7	20
3.3				4X7	18	4X7	21	6.3X7	30
4.7		4X7	22	5X7*	26	5X7	26	6.3X7	35
10		5X7*	33	6.3X7*	38	6.3X7	40		
22		6.3X7	55	6.3X7	59	8X7	70		
33		8X7*	71	8X7*	76				
47		8X7	83	8X7	88				

Note: Case size in mark of “*” is available to product down size.