

KRH Miniature Aluminum Electrolytic Capacitors

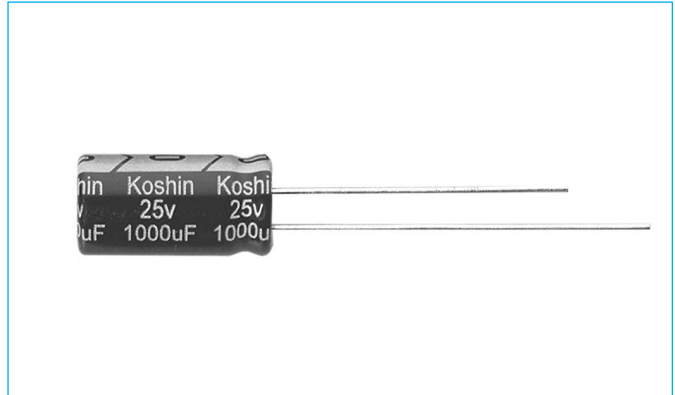
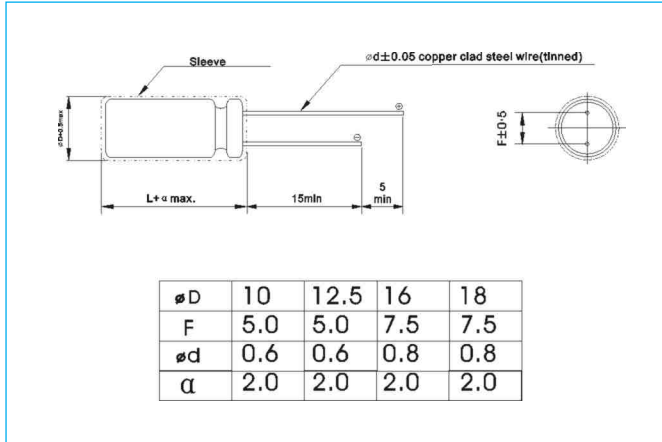
105°C Use, High-Reliability, Low Impedance Capacitors, Series KRH Miniature Capacitors.

- The capacitor of this Series achieves high reliability under the environmental loading prevailing in a piece of equipment on which it is mounted
- Guarantees 2000 hours at 105°C

Outline Drawing

Unit:mm

Photo



Marking color: White print on a deep green sleeve

Specifications

No.	Item	Performance																												
1	Temperature range (°C)	160 to 250V: -40 to +105 350 to 450V: -25 to +105																												
2	Leakage Current (μA)	Less than 0.01CV +30(after five minute) C:Capacitance (μF); V:Rated voltage(V) 20°C																												
3	Capacitance tolerance (%)	±20 (20°C, 120 Hz)																												
4	Tangent of loss angle (tan δ)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>tan δ (max)</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </table> (20°C, 120Hz)	Rated Voltage (V)	160	200	250	350	400	450	tan δ (max)	0.15	0.15	0.15	0.20	0.20	0.20														
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6	Endurance (105°C) (Applied ripple current)	<table border="1"> <tr> <td>Test time</td> <td>2000hrs</td> </tr> <tr> <td>Leakage current</td> <td>The Initial specified value or less</td> </tr> <tr> <td>Change in capacitance</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>tan δ</td> <td>200% or less of initial specified value</td> </tr> </table>	Test time	2000hrs	Leakage current	The Initial specified value or less	Change in capacitance	Within ±20% of initial value	tan δ	200% or less of initial specified value																				
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8	Applicable Standards	JIS C5101-1-4 1998(IEC60384-1 1992,-4 1985)																												

Coefficients of Frequency for Ripple Current

Frequency (Hz)	120	400	1k	10k	100k
Capacitance(μF)					
under 10	1.0	1.62	1.91	2.50	1
10 to 100	1.0	1.89	1.94	2.54	1
upper 100	1.0	1.34	1.25	1.73	1

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Standard Ratings

KOSHIN PART NO./VV(V)	CAP (μ F)	SIZE (ϕ XL) (mm)	Tan δ	IMPEDANCE Ω / 100kHz 20°C	Ripple Current (Arms)
160V					
KRH-160V220MH5	22	10X20	0.15	1.50	170
KRH-160V330MH5	33	10X20	0.15	1.50	215
KRH-160V470MI5	47	12.5X20	0.15	0.95	270
KRH-160V680MI6	68	12.5X25	0.15	0.68	340
KRH-160V101MJ6	100	16X25	0.15	0.29	480
KRH-160V151MJ7	150	16X31.5	0.15	0.25	635
KRH-160V221MJ8	220	16X35.5	0.15	0.25	720
KRH-160V331MJ9	330	18X40	0.15	0.25	950
200V					
KRH-200V220MH5	22	10X20	0.15	1.50	170
KRH-200V330MI5	33	12.5X20	0.15	0.91	235
KRH-200V470MI5	47	12.5X20	0.15	0.91	280
KRH-200V680MI6	68	12.5X25	0.15	0.65	355
KRH-200V101MJ6	100	16X25	0.15	0.27	490
KRH-200V151MJ8	150	16X35.5	0.15	0.27	640
KRH-200V221MK7	220	18X31.5	0.15	0.23	760
250V					
KRH-250V100MH5	10	10X20	0.15	2.80	110
KRH-250V220MI5	22	12.5X20	0.15	1.40	180
KRH-250V330MI6	33	12.5X25	0.15	0.90	245
KRH-250V470MI6	47	12.5X25	0.15	0.90	295
KRH-250V680MJ6	68	16X25	0.15	0.30	390
KRH-250V101MJ7	100	16X31.5	0.15	0.27	510
KRH-250V151MK7	150	18X31.5	0.15	0.25	650
KRH-250V221MK9	220	18X40	0.15	0.23	830
350V					
KRH-350V100MH5	10	10X20	0.20	3.00	120
KRH-350V220MI5	22	12.5X20	0.20	2.10	190
KRH-350V330MI6	33	12.5X25	0.20	1.00	280
KRH-350V470MJ6	47	16X25	0.20	0.75	335
KRH-350V680MJ7	68	16X31.5	0.20	0.55	370
KRH-350V101MK7	100	18X31.5	0.20	0.43	520
400V					
KRH-400V100MH5	10	10X20	0.20	3.00	120
KRH-400V220MI6	22	12.5X25	0.20	1.40	210
KRH-400V330MI6	33	12.5X25	0.20	1.00	280
KRH-400V470MJ6	47	16X25	0.20	0.75	380
KRH-400V680MJ7	68	16X31.5	0.20	0.50	430
KRH-400V101MK9	100	18X40	0.20	0.35	560
450V					
KRH-450V6R8MH5	6.8	10X20	0.20	6.00	78
KRH-450V100MI5	10	12.5X20	0.20	2.80	120
KRH-450V220MI6	22	12.5X25	0.20	1.80	230
KRH-450V330MJ6	33	16X25	0.20	1.20	300
KRH-450V470MJ7	47	16X31.5	0.20	0.95	342
KRH-450V680MK8	68	18X35.5	0.20	0.73	363

Note: Allowable Ripple Current: 120Hz 105°C