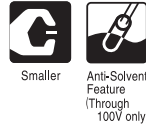
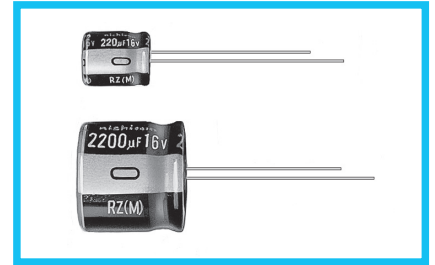


URZ Compact & Low-Profile Sized, Wide Temperature Range



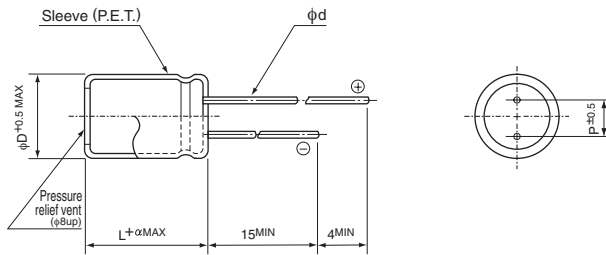
- Very small case sizes same as URS, but operating over wide temperature range of $-55 (-40)$ to $+105^{\circ}\text{C}$.
- Compliant to the RoHS directive (2011/65/EU).



Specifications

Item	Performance Characteristics																																						
Category Temperature Range	-55 to $+105^{\circ}\text{C}$ (6.3 to 100V), -40 to $+105^{\circ}\text{C}$ (160 to 400V)																																						
Rated Voltage Range	6.3 to 400V																																						
Rated Capacitance Range	1 to 10000µF																																						
Capacitance Tolerance	$\pm 20\%$ at 120Hz, 20°C																																						
Leakage Current	<table border="1"> <tr> <th>Rated voltage (V)</th> <th>6.3 to 100</th> <th>160 to 400</th> </tr> <tr> <td>_____</td> <td>After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.03CV or $4 (\mu\text{A})$, whichever is greater. After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or $3 (\mu\text{A})$, whichever is greater.</td> <td>After 1 minute's application of rated voltage at 20°C, $I = 0.04\text{CV} + 100 (\mu\text{A})$ or less</td> </tr> </table>	Rated voltage (V)	6.3 to 100	160 to 400	_____	After 1 minute's application of rated voltage at 20°C , leakage current is not more than 0.03CV or $4 (\mu\text{A})$, whichever is greater. After 2 minutes' application of rated voltage at 20°C , leakage current is not more than 0.01CV or $3 (\mu\text{A})$, whichever is greater.	After 1 minute's application of rated voltage at 20°C , $I = 0.04\text{CV} + 100 (\mu\text{A})$ or less																																
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Tangent of loss angle (tan δ)	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF. Measurement frequency : 120Hz at 20°C <table border="1"> <tr> <th>Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> </tr> <tr> <td>tan δ (MAX.)</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.25</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	63	100	160	200	250	400	tan δ (MAX.)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.20	0.20	0.25												
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Stability at Low Temperature	Measurement frequency : 120Hz																																						
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Impedance ratio Z -25°C / Z $+20^{\circ}\text{C}$	5	4	3	2	2	2	2	2	3	3	3	6																											
ZT / Z20 (MAX.)	10	8	6	4	3	3	3	3	4	4	6	10																											
Endurance	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 105°C .																																						
	Capacitance change	Within $\pm 20\%$ of the initial capacitance value																																					
	tan δ	200% or less than the initial specified value																																					
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C , they shall meet the specified values for the endurance characteristics listed above.																																						
	Leakage current	Less than or equal to the initial specified value																																					
Marking	Printed with white color letter on black sleeve.																																						

Radial Lead Type

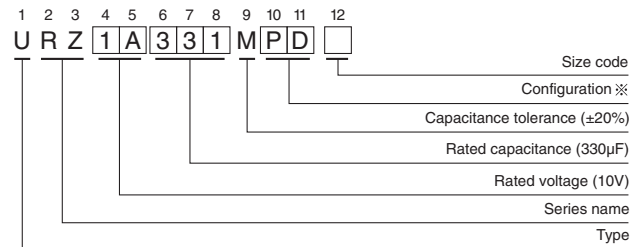


α	$(\phi D < 20)$	1.5
	$(\phi D \geq 20)$	2.0

	(mm)							
ϕD	5	6.3	8	10	12.5	16	18	20
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0
ϕd	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.0

• Please refer to page 20 about the end seal configuration.

Type numbering system (Example : 10V 330µF)



※ Configuration

ϕD	Pb-free leadwire Pb-free PET sleeve
5 - 6.3	DD
8 - 10	PD
12.5 to 18	HD
20	RD

Please refer to page 20, 21, 22 about the formed or taped product spec.
Please refer to page 4 for the minimum order quantity.

● Dimension table in next page.

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[LKMD1401H221MF](#) [B41888G6108M000](#) [EKMA160ETD470MF07D](#) [UHW1J102MHD6](#) [EKMG500ETD221MJC5S](#) [LKMK2502W101MF](#)
[LKMD1401H181MF](#) [LKMI2502G820MF](#) [LKMJ2001J122MF](#) [LKML2501C472MF](#) [LKMJ4002C681MF](#) [450MXH330MEFCSN25X45](#)
[450MXK330MA2RFC22X50](#) [63ZLH560MEFCG412.5X30](#) [ELH2DM331O25KT](#) [ELH2DM471P30KT](#)