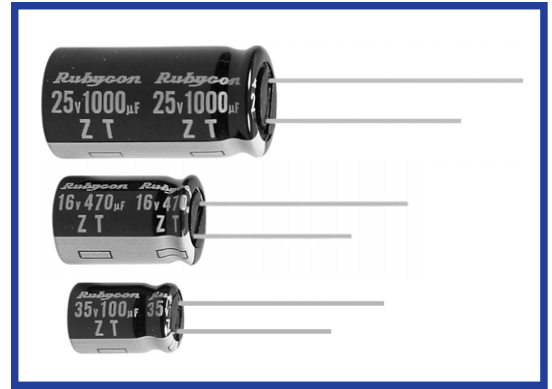


ZT SERIES
Load Life: 125°C 1000~4000 hours. Low impedance.
◆FEATURES

- Low impedance at 100kHz with selected materials.
- Load Life : 125°C 1000~4000 hours.
- RoHS compliance.


◆SPECIFICATIONS

Items	Characteristics																
Category Temperature Range	-40~+125°C																
Rated Voltage Range	10~35V.DC																
Capacitance Tolerance	±20% (20°C, 120Hz)																
Leakage Current(MAX)	I=0.03CV or 3µA whichever is greater. (After 2 minutes) $I=(\mu A)$ Leakage Current $C=(\mu F)$ Rated Capacitance $V=(V)$ Rated Voltage																
(tanδ) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </tbody> </table> (20°C, 120Hz) When rated capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.	Rated Voltage	10	16	25	35	tanδ	0.20	0.16	0.14	0.12						
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Endurance	After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements. <table border="1"> <thead> <tr> <th>Capacitance Change</th> <th>Within ±30% of the initial value.</th> </tr> </thead> <tbody> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Case Size</th> <th>(hrs) Life Time</th> </tr> </thead> <tbody> <tr> <td>φD≤ 6.3</td> <td>1000</td> </tr> <tr> <td>φD=8</td> <td>2000</td> </tr> <tr> <td>φD= 10</td> <td>3000</td> </tr> <tr> <td>φD= 12.5</td> <td>4000</td> </tr> </tbody> </table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 300% of the specified value.	Leakage Current	Not more than the specified value.	Case Size	(hrs) Life Time	φD≤ 6.3	1000	φD=8	2000	φD= 10	3000	φD= 12.5	4000
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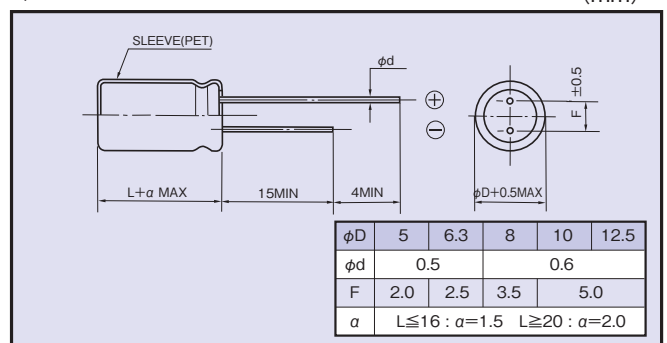
◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Coefficient	(Hz) Frequency	120	1k	10k	100k≤
	22~33µF	0.20	0.50	0.80	1.00
39~100µF	0.25	0.60	0.90	1.00	
120~270µF	0.35	0.70	0.92	1.00	
330~680µF	0.45	0.75	0.95	1.00	
820~1800µF	0.50	0.80	0.96	1.00	
2200µF	0.55	0.85	0.98	1.00	

◆DIMENSIONS

(mm)


◆OPTION

	Code
PET Sleeve	Blank

◆PART NUMBER

□□□	ZT	□□□□□	M	□□□	□□	DXL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆STANDARD SIZE

Rated Voltage (V·DC)	Rated capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./125°C, 100kHz)	(Ω MAX) Impedance	
				20°C, 100kHz	-10°C, 100kHz
10 (1A)	56	5×11	250	0.40	1.3
	120	6.3×11	405	0.17	0.53
	330	8×11.5	760	0.094	0.29
	470	8×16	995	0.073	0.23
	680	8×20	1250	0.054	0.17
	470	10×12.5	1030	0.069	0.21
	680	10×16	1430	0.050	0.16
	1000	10×20	1500	0.030	0.090
	1200	10×23	1620	0.029	0.086
	1500	12.5×20	1720	0.028	0.069
2200	12.5×25	1900	0.024	0.059	
16 (1C)	47	5×11	250	0.40	1.3
	100	6.3×11	405	0.17	0.53
	220	8×11.5	760	0.094	0.29
	330	8×16	995	0.073	0.23
	470	8×20	1250	0.054	0.17
	330	10×12.5	1030	0.069	0.21
	470	10×16	1430	0.050	0.16
	680	10×20	1500	0.030	0.090
	820	10×23	1620	0.029	0.086
	1000	12.5×20	1720	0.028	0.069
1500	12.5×25	1900	0.024	0.059	
25 (1E)	33	5×11	250	0.40	1.3
	56	6.3×11	405	0.17	0.53
	150	8×11.5	760	0.094	0.29
	220	8×16	995	0.073	0.23
	270	8×20	1250	0.054	0.17
	220	10×12.5	1030	0.069	0.21
	330	10×16	1430	0.050	0.16
	470	10×20	1500	0.030	0.090
	560	10×23	1620	0.029	0.086
	680	12.5×20	1720	0.028	0.069
1000	12.5×25	1900	0.024	0.059	
35 (1V)	22	5×11	250	0.40	1.3
	56	6.3×11	405	0.17	0.53
	100	8×11.5	760	0.094	0.29
	120	8×16	995	0.073	0.23
	180	8×20	1250	0.054	0.17
	150	10×12.5	1030	0.069	0.21
	220	10×16	1430	0.050	0.16
	270	10×20	1500	0.030	0.090
	330	10×23	1620	0.029	0.086
	470	12.5×20	1720	0.028	0.069
560	12.5×25	1900	0.024	0.059	