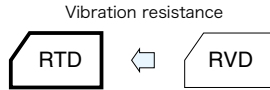
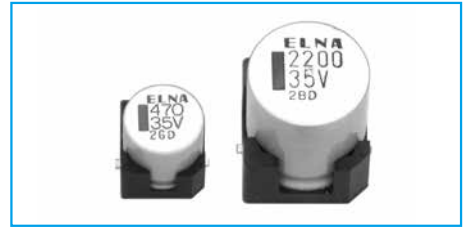


Chip Type 105°C Use, Low Z, Long Life, For Vibration Capacitors GREEN CAP SMD Vibration Resistance Low Z 105°C 5000hours Anti-cleaning solvent

- Compatible with surface mounting.
- For Vibration resistance. (30G guaranteed)
- Supplied with carrier taping.
- Guarantees 5000 hours at 105°C.

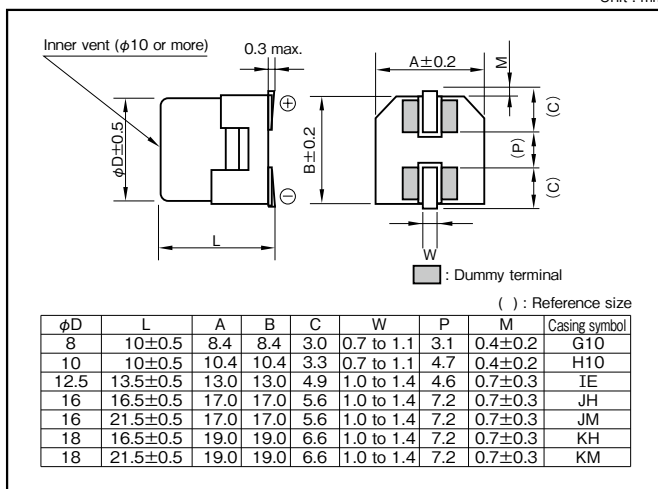


Marking color : Black print

Specifications

Item	Performance																																						
Category temperature range (°C)	-55 to +105																																						
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)																																						
Leakage current (µA)	Less than 0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (µF) , V : Rated voltage (V) (20°C)																																						
Tangent of loss angle (tanδ)	<table border="1"> <tr> <th>Rated voltage (V)</th> <td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td> </tr> <tr> <th>tanδ (max.)</th> <td>0.26</td><td>0.19</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.1</td><td>0.08</td><td>0.08</td><td>0.07</td> </tr> </table> <p>0.02 is added to every 1000µF increase over 1000µF (20°C,120Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100	tanδ (max.)	0.26	0.19	0.16	0.14	0.12	0.1	0.08	0.08	0.07																		
Rated voltage (V)	6.3	10	16	25	35	50	63	80	100																														
tanδ (max.)	0.26	0.19	0.16	0.14	0.12	0.1	0.08	0.08	0.07																														
Characteristics at high and low temperature	<table border="1"> <tr> <th>Rated voltage (V)</th> <td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td> </tr> <tr> <th rowspan="3">Impedance ratio (max.)</th> <td>Z-25°C/Z+20°C</td> <td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td> </tr> <tr> <td>Z-55°C/Z+20°C</td> <td>8</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td> </tr> </table> <p>(120Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100	Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2	2	2	2	Z-40°C/Z+20°C	3	3	3	3	3	3	3	3	Z-55°C/Z+20°C	8	4	4	3	3	3	3	3
Rated voltage (V)	6.3	10	16	25	35	50	63	80	100																														
Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2	2	2	2																														
	Z-40°C/Z+20°C	3	3	3	3	3	3	3	3																														
	Z-55°C/Z+20°C	8	4	4	3	3	3	3	3																														
Endurance (105°C)	<table border="1"> <tr> <th>Test time</th> <td>5000 hours</td> </tr> <tr> <th>Leakage current</th> <td>The initial specified value or less</td> </tr> <tr> <th>Percentage of capacitance change</th> <td>Within ±30% of initial value</td> </tr> <tr> <th>Tangent of loss angle</th> <td>300% or less of the initial specified value</td> </tr> </table>	Test time	5000 hours	Leakage current	The initial specified value or less	Percentage of capacitance change	Within ±30% of initial value	Tangent of loss angle	300% or less of the initial specified value																														
Test time	5000 hours																																						
Leakage current	The initial specified value or less																																						
Percentage of capacitance change	Within ±30% of initial value																																						
Tangent of loss angle	300% or less of the initial specified value																																						
Shelf life (105°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4																																						
Applicable standards	JIS C5101-1 1998, -18 1999 (IEC 60384-1 1992, -18 1993)																																						

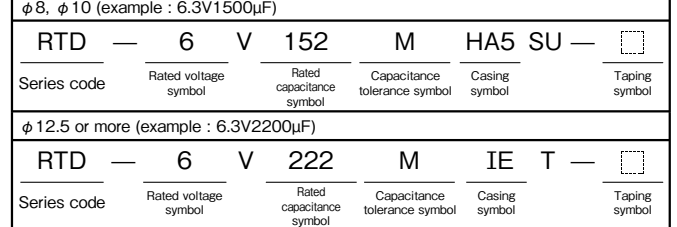
Outline Drawing



Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	50 · 60	120	1k	10k · 100k
Rated voltage (V)	6.3 to 100	0.50	0.50	1.00

Part numbering system



If "Standard (terminal)" type is required, please see the series RVD of page 72.

- Soldering conditions are described on page 15.
- Land pattern size are described on page 13.
- The taping specifications are described on page 16.

Standard Ratings

Rated voltage (V)	6.3				10				16				25				35			
	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8×10	G10	0.16	600
220	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8×10	G10	0.16	600
330	—	—	—	—	8×10	G10	0.16	600	8×10	G10	0.16	600	8×10	G10	0.16	600	10×10	H10	0.090	850
470	8×10	G10	0.16	600	8×10	G10	0.16	600	8×10	G10	0.16	600	10×10	H10	0.090	850	12.5×13.5	IE	0.054	1160
680	8×10	G10	0.16	600	10×10	H10	0.090	850	10×10	H10	0.090	850	12.5×13.5	IE	0.054	1160	12.5×13.5	IE	0.054	1160
1000	8×10	G10	0.16	600	10×10	H10	0.090	850	12.5×13.5	IE	0.054	1160	12.5×13.5	IE	0.054	1160	16×16.5	JH	0.044	1620
1500	10×10	H10	0.090	850	12.5×13.5	IE	0.054	1160	12.5×13.5	IE	0.054	1160	16×16.5	JH	0.044	1620	18×16.5	KH	0.040	1840
2200	12.5×13.5	IE	0.054	1160	12.5×13.5	IE	0.054	1160	16×16.5	JH	0.044	1620	16×16.5	JH	0.044	1620	18×16.5	KH	0.040	1840
3300	16×16.5	JH	0.044	1620	16×16.5	JH	0.044	1620	16×16.5	JH	0.044	1620	18×16.5	KH	0.040	1840	18×21.5	KM	0.036	2080
4700	18×16.5	KH	0.040	1840	18×21.5	KM	0.036	2080	18×21.5	KM	0.036	2080	—	—	—	—	—	—	—	—
6800	18×16.5	KH	0.040	1840	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8200	18×21.5	KM	0.036	2080	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Rated voltage (V)	50				63				80				100			
	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)	Case	Casing symbol	Impedance (Ω max.)	Rated ripple current (mA Arms)
100	8×10	G10	0.32	350	12.5×13.5	IE	0.16	600	12.5×13.5	IE	0.18	550	16×16.5	JH	0.17	700
220	10×10	H10	0.18	700	12.5×13.5	IE	0.16	600	16×16.5	JH	0.16	720	18×16.5	KH	0.15	800
330	12.5×13.5	IE	0.12	900	16×16.5	JH	0.14	800	18×16.5	KH	0.13	830	18×21.5	KM	0.13	940
470	16×16.5	JH	0.080	1000	18×16.5	KH	0.12	900	18×21.5	KM	0.11	1000	—	—	—	—
680	16×16.5	JH	0.080	1000	18×21.5	KM	0.10	1050	—	—	—	—	—	—	—	—
1000	18×16.5	KH	0.076	1100	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 105°C, 100kHz, Impedance : 20°C, 100kHz

NOTE : Design, Specifications are subject to change without notice. It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.