

## Horizontal type, 125°C Use, High-temperature Capacitors

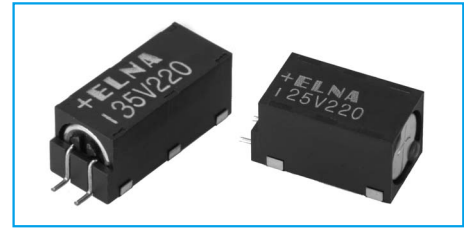
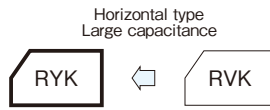
SMD

Vibration Resistance

125°C 1000hours

Anti-cleaning solvent

- 125°C high temperature surface mount.
- Highly resistant to vibration.
- Available in horizontal configurations only.
- Carrier taping supplied.
- Guarantees 1000 hours at 125°C.



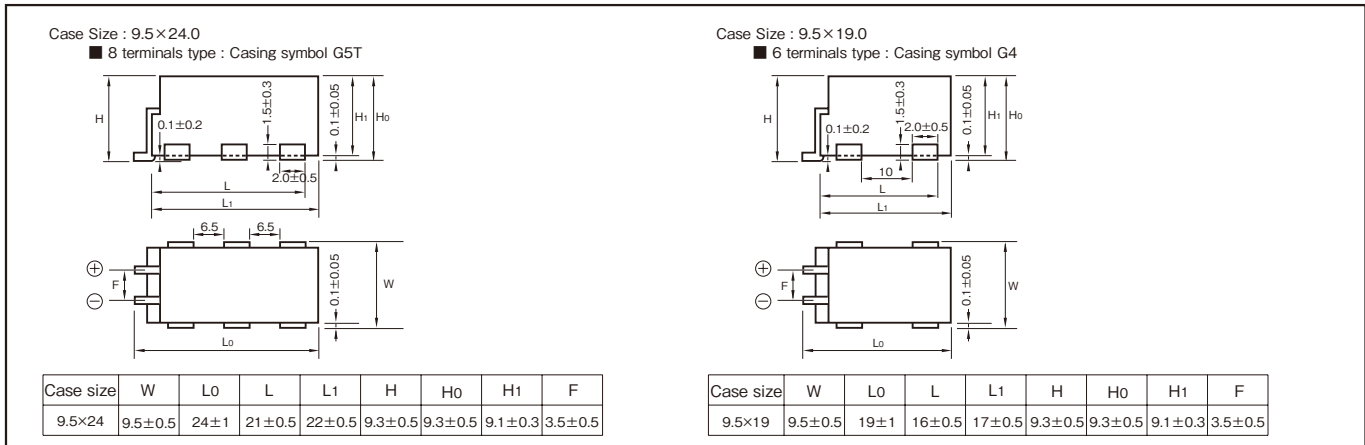
Marking color : White print on a black case

### Specifications

Item	Performance																							
Category temperature range (°C)	-40 to +125																							
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)																							
Leakage current (µA)	Less than 0.02CV (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> </tr> <tr> <th>tanδ (max.)</th> <td>0.3</td><td>0.28</td><td>0.26</td><td>0.24</td><td>0.20</td><td>0.19</td><td>0.18</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	63	tanδ (max.)	0.3	0.28	0.26	0.24	0.20	0.19	0.18							
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	(20°C, 120Hz)																							
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> </tr> <tr> <th rowspan="2">Impedance ratio (max.)</th> <td>Z-25°C/Z+20°C</td> <td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	63	Impedance ratio (max.)	Z-25°C/Z+20°C	3	3	3	3	3	3	Z-40°C/Z+20°C	5	5	5	5	5	5
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	Z-40°C/Z+20°C	5	5	5	5	5	5																	
	(120Hz)																							
Endurance (125°C) (Applied ripple current)	Test time	1000 hours																						
	Percentage of capacitance change	Within ±30% of initial value																						
	Tangent of the loss angle	300% or less of the initial specified value																						
	Leakage current	The initial specified value or less																						
Shelf life (125°C)	Test time	1000 hours																						
	Percentage of capacitance change	Within ±20% of initial value																						
	Tangent of the loss angle	200% or less of the initial specified value																						
	Leakage current	The initial specified value or less																						
	Pretreatment performed																							
Applicable standards	JIS C5101-1 1998, -18 1999 (IEC 60384-1 1992, -18 1993)																							

### Outline Drawing

Unit : mm



• Soldering conditions are described on page 11. • Land pattern size are described on page 12. • The taping specifications are described on page 13.

### Part numbering system (example: 10V560µF)

RYK	—	10	V	561	M	G5T	T	—	FL
Series code	Rated voltage symbol	Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Tray polarity symbol				

### Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	120	1k	10k	100k
Rated voltage (V)				
10 to 63	0.77	0.88	0.96	1

### Standard Ratings

Rated capacitance (µF)	Item	6.3			10			16			25			35			50			63		
		Case W×L (mm)	Impedance Ω	Rated ripple current mArms	Case W×L (mm)	Impedance Ω	Rated ripple current mArms	Case W×L (mm)	Impedance Ω	Rated ripple current mArms	Case W×L (mm)	Impedance Ω	Rated ripple current mArms	Case W×L (mm)	Impedance Ω	Rated ripple current mArms	Case W×L (mm)	Impedance Ω	Rated ripple current mArms			
56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.5×19.0	0.49	210	9.5×24.0	0.37	272	
100	—	—	—	—	—	—	—	—	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.35	279	—	—	—	
220	—	—	—	—	—	—	—	—	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.30	302	—	—	—	
270	—	—	—	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	
470	—	—	—	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	
560	9.5×19.0	0.40	232	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
820	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

(Note) Rated ripple current : 125°C, 100kHz ; Impedance : 20°C, 100kHz

### NOTE

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use.

Aluminum Electrolytic Capacitors