RTH VERTICAL CHIP TYPE ALUMINUM ELECTROLYTIC CAPACITORS

ELNA®

Chip Type, 105°C Use, Low Impedance Capacitors

SMD | Vibration Resistance | Low Impedance | 105°C 2000hours | Anti-cleaning solvent

- Compatible with surface mounting.
- For Vibration resistance.
- Supplied with carrier taping.
- Guarantees 2000 hours at 105°C.

Vibration resistance

RTH ⇦ RVH

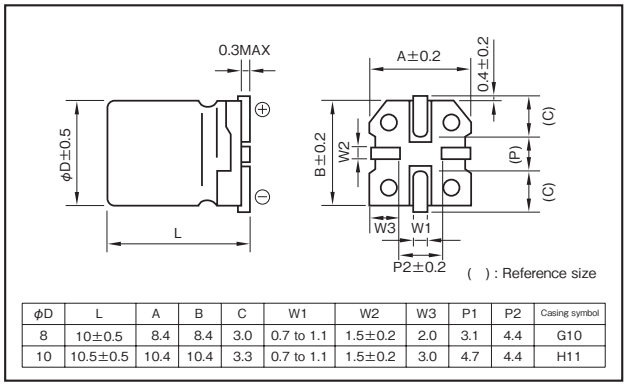
Marking color : White print on a brown sleeve

Specifications

Item	Performance
Category temperature range (℃)	−55 to +105
Tolerance at rated capacitance (%)	±20 (20℃,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℃)
Tangent of loss angle (tanδ)	Rated voltage (V): 6.3 / 10 / 16 / 25 / 35 ; tanδ (max.): 0.30 / 0.26 / 0.22 / 0.16 / 0.13 (20℃,120Hz)
Characteristics at high and low temperature	Rated voltage (V): 6.3 / 10 / 16 / 25 / 35 ; Impedance ratio (max.) Z−25℃/Z+20℃: 4 / 3 / 2 / 2 / 2 ; Z−40℃/Z+20℃: 8 / 5 / 4 / 3 / 3 (120Hz)
Endurance (105℃) (Applied ripple current)	Test time: 2000 hours ; Leakage current: The initial specified value or less ; Percentage of capacitance change: Within ±20% of initial value ; Tangent of the loss angle: 200% or less of the initial specified value
Shelf life (105℃)	Test time : 1000 hours ; other items are the same as those for the endurance. Voltage application treatment : According to JIS C5102
Applicable standards	JIS C5101-1, -18 1998 (IEC 60384-1 1992, -18 1993)

Outline Drawing

Unit : mm



ϕD	L	A	B	C	W1	W2	W3	P1	P2	Casing symbol
8	10±0.5	8.4	8.4	3.0	0.7 to 1.1	1.5±0.2	2.0	3.1	4.4	G10
10	10.5±0.5	10.4	10.4	3.3	0.7 to 1.1	1.5±0.2	3.0	4.7	4.4	H11

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

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	50・60	120	1k	10k・100k
Coefficient	0.64	0.8	0.93	1

Part numbering system (example : 25V100μF)

RTH	−	25	V	101	M	G10	□	U−	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol		Taping symbol

Standard Ratings

Rated voltage (V) / Item / Rated capacitance (μF)	6.3				10				16				25				35			
	Case ϕD (mm)	Casing symbol	Impedance Ω	Rated ripple current mArms	Case ϕD (mm)	Casing symbol	Impedance Ω	Rated ripple current mArms	Case ϕD (mm)	Casing symbol	Impedance Ω	Rated ripple current mArms	Case ϕD (mm)	Casing symbol	Impedance Ω	Rated ripple current mArms	Case ϕD (mm)	Casing symbol	Impedance Ω	Rated ripple current mArms
47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8×10	G10	0.45	369
100	—	—	—	—	—	—	—	—	—	—	—	—	8×10	G10	0.45	369	10×10.5	H11	0.25	553
220	—	—	—	—	8×10	G10	0.45	369	—	—	—	—	10×10.5	H11	0.25	553	—	—	—	—
330	8×10	G10	0.45	369	—	—	—	—	10×10.5	H11	0.25	553	—	—	—	—	—	—	—	—
470	—	—	—	—	10×10.5	H11	0.25	553	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 105℃, 100kHz ; Impedance : 20℃, 100kHz

Chip Type Aluminum Electrolytic Capacitors

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