ELNA

Miniature Aluminum Electrolytic Capacitors RQB series

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- Guaranteed 2000 hours at 150℃.
- High temperature, high ripple current capacitor.
- Environmental : GREEN CAP™ , RoHS compliance.

High ripple
Long life

RQB ⇦ RQA

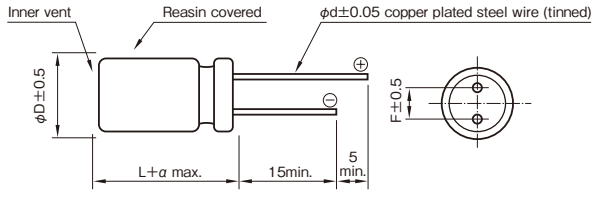
Marking color : Black print

Specifications

Item	Performance
Category temperature range (℃)	− 40 to + 150
Tolerance at rated capacitance (%)	± 20 (20℃, 120Hz)
Leakage current (μA) (max.)	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): 35 / 50 ; tanδ (max.): 0.12 / 0.10 ; 0.02 is added to every 1000μF increase over 1000μF (20℃, 120Hz)
Characteristics at high and low temperature	Rated voltage (V): 35 / 50 ; Impedance ratio (max.) Z− 40℃ / Z+ 20℃: 3 / 3 (120Hz)
Endurance (150℃) (Applied ripple current)	Test time: 2000 hours ; Leakage current: The initial specified value or less ; Percentage of capacitance change: Within ± 30% of initial value ; Tangent of the loss angle: 300% or less of the initial specified value
Shelf life (150℃)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1
Applicable standards	JIS C5101-1, -4 (IEC 60384-1, -4)

Outline Drawing

Unit : mm



ϕD	16	18
F	7.5	7.5
ϕd	0.8	0.8
α	2.0	2.0

Coefficient of Frequency for Rated Ripple Current

Rated capacitance (μF) \ Frequency (Hz)	120	1k	10k	100k
1300 to 4700	0.85	0.95	1.00	1

Product code system : 35V2200μF (*For general product)

RS*	RQB	222	M	1G	J26	300	T
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Lead-forming and packing code	Additional code

・For details, refer to the various "Product Code System" pages.
・Lead-forming and packing code on this page are for lead long and standard packing products.
For standard packing, please refer to the "PACKING" page.

Standard Ratings

Case size ϕD×L (mm)	Size code	Rated voltage (V) / Item	35 (1G) Rated capacitance (μF)	35 (1G) ESR (Ω max.) 20℃	35 (1G) ESR (Ω max.) − 40℃	35 (1G) Rated ripple current (mArms)	50 (1U) Rated capacitance (μF)	50 (1U) ESR (Ω max.) 20℃	50 (1U) ESR (Ω max.) − 40℃	50 (1U) Rated ripple current (mArms)
16 × 26.5	J26		2200	0.038	0.380	1800	1300	0.040	0.400	1800
16 × 33	J33		2700	0.032	0.320	2200	1800	0.038	0.380	2200
16 × 37	J37		3000	0.030	0.300	2600	2000	0.032	0.320	2600
16 × 41.5	J41		3600	0.027	0.270	3000	2400	0.029	0.290	3000
18 × 27.5	K27		2400	0.036	0.360	2200	1800	0.034	0.340	2200
18 × 34	K34		3300	0.028	0.280	2800	2400	0.030	0.300	2700
18 × 42.5	K42		4700	0.023	0.230	3600	3000	0.023	0.230	3700

(Note) Rated ripple current : 150℃, 100kHz ; ESR : 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.