

Conductive Polymer Hybrid Aluminum Electrolytic Capacitors HVY,HTY series

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

- 150° C, High temperature and long life are realized.
- HTY is resist to vibration. (30G guaranteed)
- Equivalent to conductive polymer type Aluminum Electrolytic Capacitor. (There are little characteristics change by temperature and frequency)

HTY

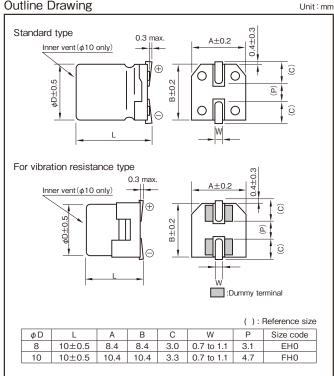
- · Guaranteed 150° C, 2000 hours.
- Environmental : GREEN CAP™ , RoHS compliance.



Specifications

Performance							
-55 to +150							
±20 (20°C, 120H.							
0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20%)							
50	35	25	Rated voltage (V)	Tangent of loss angle			
0.10	0.12	0.14	tanδ (max.)	$(\tan \delta)$			
1.5			Impedance ratio (max.)	Characteristics at high and low temperature			
	2000 hours		Test time				
alue or less	The initial specified va		Leakage current	E (4.50°0)			
al value	Within ±30% of initia		Percentage of capacitance change	Endurance (150°C) (Applied ripple current)			
nitial specified value	200% or less of the in		Tangent of the loss angle	(Applied Tipple Current)			
nitial specified value	200% or less of the in		ESR change				
	50 0.10 1.5 2.0 alue or less I value nitial specified value	-150) larger (after 2 minutes) ; V : Rated voltage (V) 35	$-55 \text{ to} +150 \\ \pm 20$ $2V \text{ or } 3 \text{ whichever is larger (after 2 minutes)} \\ \text{ted capacitance } (\mu\text{F}) \text{ ; } V \text{ : Rated voltage (V)}$ $25 \qquad 35 \qquad 50 \\ 0.14 \qquad 0.12 \qquad 0.10$ $\boxed{Z-25^{\circ}\text{C}/Z+20^{\circ}\text{C}} \qquad 1.5 \\ Z-55^{\circ}\text{C}/Z+20^{\circ}\text{C}} \qquad 2.0$ $2000 \text{ hours} \\ \text{The initial specified value or less} \\ \text{Within } \pm 30\% \text{ of initial value} \\ 200\% \text{ or less of the initial specified value}$	$-55 \text{ to } +150 \\ \pm 20$ $0.01\text{CV or 3 whichever is larger (after 2 minutes)} \\ C: \text{Rated capacitance } (\mu\text{F}) \text{ ; V}: \text{Rated voltage (V)}$ $\boxed{ \text{Rated voltage (V)} \\ 25 \\ 35 \\ 50 \\ 1 \text{ tan } \delta \text{ (max.)} } \\ 0.14 \\ 0.12 \\ 0.10 \\ \hline \\ \boxed{ \text{Impedance ratio (max.)} } \\ \boxed{ \begin{array}{c cccccccccccccccccccccccccccccccccc$			

Outline Drawing



Refer to individual page.

(Soldering conditions, Land pattern size, The taping specifications)

Coefficient of Frequency for Rated Ripple Current

	-			
Frequency (Hz) Rated voltage (V)	120	1k	10k	100k or more
25 to 63	0.10	0.30	0.60	1

Product code system (*For general product)

φ8, φ10(example : 25V220μF, Standard type)

RS*	HVY	221	М	1T	EH0	002	
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Taping and packing code	Additional code

- · For vibration resistance type should change Series code "HVY" into "HTY".
- For details, refer to the various "Product Code System" pages.



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Standard Ratings

Rated voltage (V)		25 (1T)		35 (1G)			50 (1U)			63 (4E)		
Rated Item	Case	ESR	Rated ripple current									
capacitance (µF)	φD×L (mm)	(mΩ max.)	(mArms)									
33	_	_	_	_	_	_	_	_	_	8×10	30	610
56	_	_	_	_	_	_	_	_	_	10×10	28	710
68	_	_	_	_	_	_	8×10	30	660	_	_	_
100	_	_	_	_	_	_	10×10	28	800	_	_	_
150	_	_	_	8×10	22	710	_	_	_		_	_
220	8×10	22	740	_	_	_	_	_	_	_	_	_
270		_	_	10×10	20	830		_	_	_	_	_
330	10×10	20	850	-	_	-	-	_	_	-	_	_

(Note) Rated ripple current : $150^{\circ}\!C$, 100kHz ; ESR : $20^{\circ}\!C$, 100kHz