CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS NIPPON CHEMICON

Surface Mount

НХА

HXB

Higher temperature

Longer life

HXD

Series

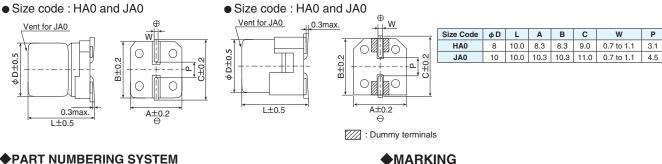
- O High reliability and high voltage are realized by hybrid electrolyte
- Endurance with ripple current : 5,000 hours at 105°C
- For high reliability applications.
- (Automotive equipment, Base station equipment, etc.)
- RoHS2 Compliant
- Halogen Free
- ●AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.

SPECIFICATIONS

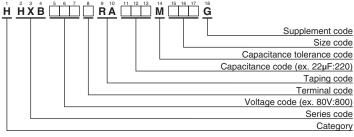
Items	Characteristics						
Category Temperature Range	-55 to +105℃						
Rated Voltage Range	80V _{dc}						
Capacitance Tolerance	±20% (M)				(at 20℃, 120Hz)		
Leakage Current		=0.01CV or 3μ A, whichever is greater Where, I : Max. leakage current (μ A), C: Nominal capacitance(μ F), V : Rated voltage(V) (at 20°C after 2 minutes)					
Dissipation Factor	Rated voltage(Vdc)	80V					
(tan δ)	tanδ (Max.)	0.08			(at 20℃, 120Hz)		
Low Temperature Characteristics (Max. Impedance Ratio)	Z(-25°C)/Z(+20°C)≦1.5 Z(-55°C)/Z(+20°C)≦2.0				(at 100kHz)		
Endurance	The following specificatio	ns shall b	be satisfied when the capacitors	are restored to 20°C after subject	ted to DC voltage with the rated		
	ripple current is applied (th	ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105 ℃.					
	Capacitance change	$\leq \pm 30^{\circ}$	% of the initial value				
	D.F. (tan δ)	≦ 2009	% of the initial specified value				
	ESR	≤ 200 °	% of the initial specified value				
	Leakage current	\leq The	initial specified value				
Shelf Life The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours a without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4 C 5101-4.							
	Capacitance change	$\leq \pm 30^{\circ}$	% of the initial value				
	D.F. (tan δ)	≦ 2009	% of the initial specified value				
	ESR	≦ 2009	% of the initial specified value				
	Leakage current	≦ The	initial specified value				

◆DIMENSIONS [mm]

- Terminal Code : A
- Terminal Code : G(Vibration resistant structure)



◆PART NUMBERING SYSTEM



Please refer to "Product code guide (conductive polymer hybrid type)"

EX) 80V22µF 26A 22 ⊕ K^{HB}

Rated	voltage	symbol
- i luiou	vonugo	0,11001

Rated voltage (Vdc)	Symbol
80	К

HXBSeries

♦STANDARD RATINGS

	WV (Vdc)	Сар (µF)	Size code	ESR (mΩmax./20℃, 100kHz)	Rated ripple current (mArms/105℃, 100kHz)	Part No.	
Γ	00	22	HA0	45	1,600	HHXB800 RA220MHA0G	
	80	39	JA0	35	1,700	HHXB800□RA390MJA0G	

Product specifications in this catalog are subject to change without notice. Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

 \Box : Enter the appropriate terminal code.

♦RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Capacitance(µF) Frequency(Hz)	120	1k	5k	10k	20k	30k	100k to 500k
22	0.07	0.30	0.50	0.60	0.70	0.75	1.00
39	0.10	0.40	0.60	0.70	0.80	0.80	1.00