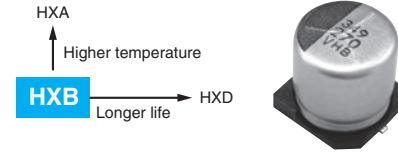


# HXB Series

- 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.

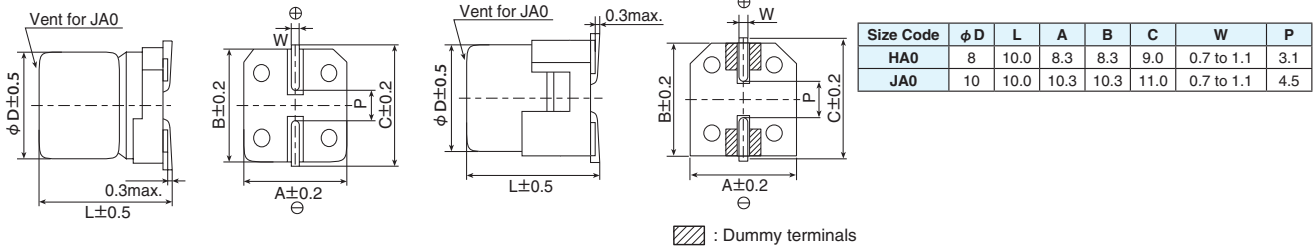


## SPECIFICATIONS

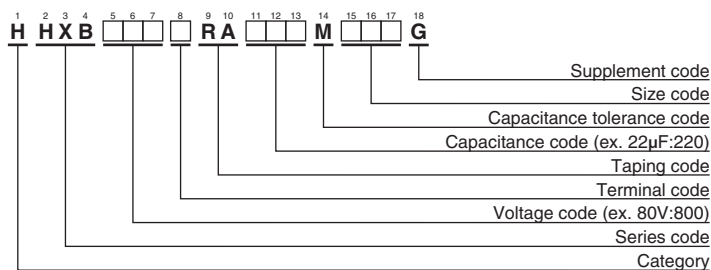
Items	Characteristics								
<b>Category Temperature Range</b>	-55 to +105°C								
<b>Rated Voltage Range</b>	80V <sub>dc</sub>								
<b>Capacitance Tolerance</b>	±20% (M) (at 20°C, 120Hz)								
<b>Leakage Current</b>	I=0.01CV or 3μA, whichever is greater Where, I : Max. leakage current (μA), C: Nominal capacitance(μF), V : Rated voltage(V) (at 20°C after 2 minutes)								
<b>Dissipation Factor (tan δ)</b>	Rated voltage(V <sub>dc</sub> ) 80V tan δ (Max.) 0.08 (at 20°C, 120Hz)								
<b>Low Temperature Characteristics (Max. Impedance Ratio)</b>	Z(-25°C)/Z(+20°C) ≤ 1.5 Z(-55°C)/Z(+20°C) ≤ 2.0 (at 100kHz)								
<b>Endurance</b>	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105 °C. <table border="1"> <tr><td>Capacitance change</td><td>≤ ±30% of the initial value</td></tr> <tr><td>D.F. (tan δ)</td><td>≤ 200% of the initial specified value</td></tr> <tr><td>ESR</td><td>≤ 200% of the initial specified value</td></tr> <tr><td>Leakage current</td><td>≤ The initial specified value</td></tr> </table>	Capacitance change	≤ ±30% of the initial value	D.F. (tan δ)	≤ 200% of the initial specified value	ESR	≤ 200% of the initial specified value	Leakage current	≤ The initial specified value
Capacitance change	≤ ±30% of the initial value								
D.F. (tan δ)	≤ 200% of the initial specified value								
ESR	≤ 200% of the initial specified value								
Leakage current	≤ The initial specified value								
<b>Shelf Life</b>	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105 °C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4. <table border="1"> <tr><td>Capacitance change</td><td>≤ ±30% of the initial value</td></tr> <tr><td>D.F. (tan δ)</td><td>≤ 200% of the initial specified value</td></tr> <tr><td>ESR</td><td>≤ 200% of the initial specified value</td></tr> <tr><td>Leakage current</td><td>≤ The initial specified value</td></tr> </table>	Capacitance change	≤ ±30% of the initial value	D.F. (tan δ)	≤ 200% of the initial specified value	ESR	≤ 200% of the initial specified value	Leakage current	≤ The initial specified value
Capacitance change	≤ ±30% of the initial value								
D.F. (tan δ)	≤ 200% of the initial specified value								
ESR	≤ 200% of the initial specified value								
Leakage current	≤ The initial specified value								

## DIMENSIONS [mm]

- Terminal Code : A
- Size code : HA0 and JA0
- Terminal Code : G (Vibration resistant structure)
- Size code : HA0 and JA0



## PART NUMBERING SYSTEM



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

## MARKING



- Rated voltage symbol

Rated voltage (V <sub>dc</sub> )	Symbol
80	K



## HXB Series

### ◆STANDARD RATINGS

WV (V <sub>dc</sub> )	Cap (μF)	Size code	ESR (mΩ max./20°C, 100kHz)	Rated ripple current (mA <sub>rms</sub> /105°C, 100kHz)	Part No.
80	22	HA0	45	1,600	HHXB800□RA220MHA0G
	39	JA0	35	1,700	HHXB800□RA390MJA0G

□ : 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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View HHXB500ARA101MJA0G on WIN SOURCE](#)
- ⊖ [United Chemi-Con Information](#)

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- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management