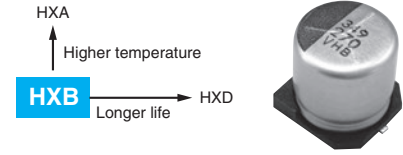


HXB Series

- 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.

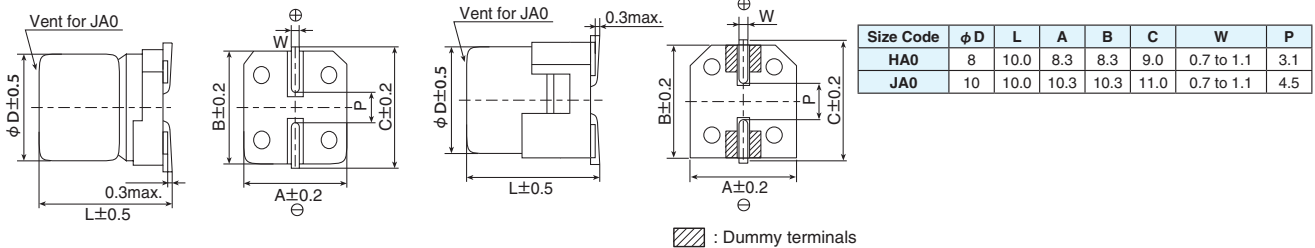


SPECIFICATIONS

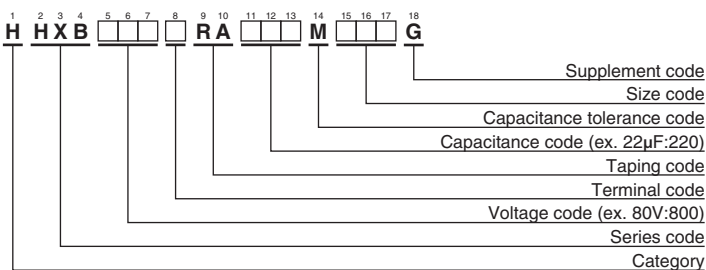
Items	Characteristics								
Category Temperature Range	-55 to +105°C								
Rated Voltage Range	80V _{dc}								
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)								
Leakage Current	I=0.01CV or 3μA, whichever is greater Where, I : Max. leakage current (μA), C: Nominal capacitance(μF), V : Rated voltage(V) (at 20°C after 2 minutes)								
Dissipation Factor (tan δ)	Rated voltage(V _{dc}) 80V tan δ (Max.) 0.08 (at 20°C, 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 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								
Shelf Life	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 _{dc})	Symbol
80	K



HXB Series

◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Size code	ESR (mΩ max./20°C, 100kHz)	Rated ripple current (mA _{rms} /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	

Mouser Electronics

Authorized Distributor

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[HHXB250ARA101MF80G](#) [HHXB500ARA330MF80G](#) [HHXB630ARA220MF80G](#) [HHXB630ARA100MF61G](#)
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