

HXA Upgrade! Series

- High reliability and high voltage are realized by hybrid electrolyte
- Endurance with ripple current : 4,000 hours at 125°C
- For high temperature and 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.

HXA

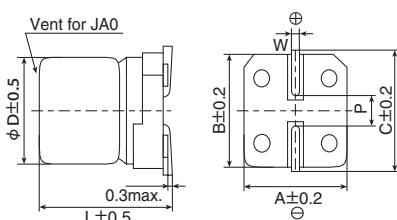
Higher temperature
HXB

◆SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	-55 to +125°C									
Rated Voltage Range	80V _{dc}									
Capacitance Tolerance	$\pm 20\%$ (M)									
Leakage Current	I=0.01CV or $3\mu\text{A}$, whichever is greater Where, I : Max. leakage current (μA), C: Nominal capacitance (μF), V : Rated voltage(V)									
Dissipation Factor (tan δ)	Rated voltage(V _{dc})	80V								
	tan δ (Max.)	0.08								
Low Temperature Characteristics (Max. Impedance Ratio)	$Z(-25^\circ\text{C})/Z(+20^\circ\text{C}) \leq 1.5$ $Z(-55^\circ\text{C})/Z(+20^\circ\text{C}) \leq 2.0$									
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 4,000 hours at 125°C. Capacitance change $\leq \pm 30\%$ of the initial value D.F. (tan δ) $\leq 200\%$ of the initial specified value ESR $\leq 200\%$ 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 at 125°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. Capacitance change $\leq \pm 30\%$ of the initial value D.F. (tan δ) $\leq 200\%$ of the initial specified value ESR $\leq 200\%$ of the initial specified value Leakage current \leq The initial specified value									

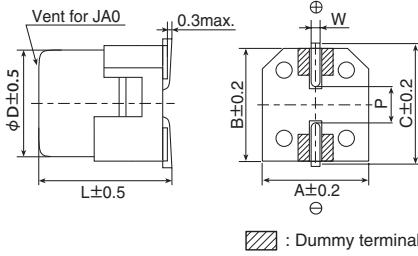
◆DIMENSIONS [mm]

- Terminal Code : A
- Size code : HA0 and JA0



- Terminal Code : G (Vibration resistant structure)

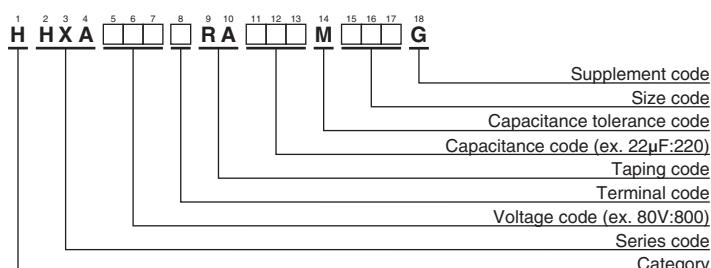
- Size code : HA0 and JA0



Size Code	ϕD	L	A	B	C	W	P
HA0	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
JA0	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5

■ : Dummy terminals

◆PART NUMBERING SYSTEM



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

◆MARKING

EX) 80V22μF



- Rated voltage symbol

Rated voltage (V _{dc})	Symbol
80	K



◆STANDARD RATINGS

WV (V _{dc})	Cap (μ F)	Size code	ESR (m Ω max./20°C, 100kHz)	Rated ripple current (mA rms/125°C, 100kHz)	Part No.
80	22	HA0	45	1,100	HHXA800□RA220MHA0G
	39	JA0	35	1,200	HHXA800□RA390MJA0G
	47	JA0	33	1,700	HHXA800□RA470MJA0G

□ : Enter the appropriate terminal code.

◆RATED RIPPLE CURRENT MULTIPLIERS

◎ Frequency Multipliers

Capacitance(μ F)	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 to 47		0.10	0.40	0.60	0.70	0.80	0.80	1.00