

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

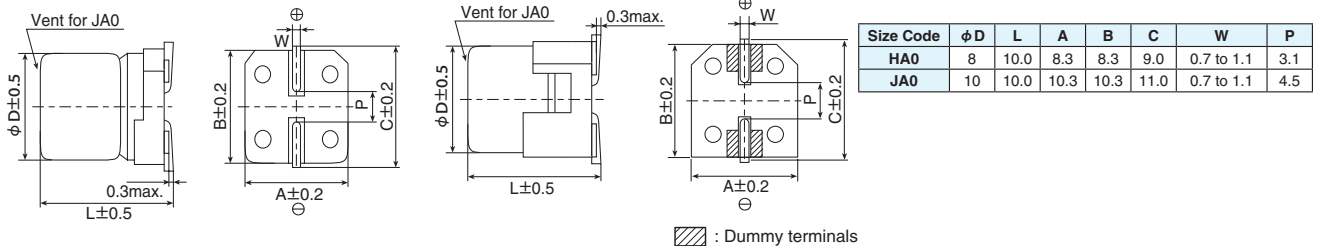


SPECIFICATIONS

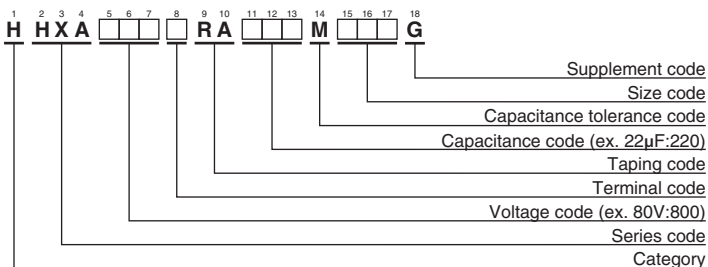
Items	Characteristics	
Category	-55 to +125°C	
Temperature Range	80V _{dc}	
Rated Voltage Range	±20% (M)	
Capacitance Tolerance	(at 20°C, 120Hz)	
Leakage Current	I=0.01CV Where, I : Max. leakage current (μA), C: Nominal capacitance(μF), V : Rated voltage(V) (at 20°C after 2 minutes)	
Dissipation Factor (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 4,000 hours at 125°C.	
	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 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	≤ ±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



◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Size code	ESR (mΩ 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(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 to 47	0.10	0.40	0.60	0.70	0.80	0.80	1.00

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

United Chemi-Con (UCC):

<u>HHXA250ARA101MF80G</u>	<u>HHXA160ARA471MJA0G</u>	<u>HHXA350ARA151MHA0G</u>	<u>HHXA630ARA330MHA0G</u>
<u>HHXA500ARA220MF61G</u>	<u>HHXA500ARA101MJA0G</u>	<u>HHXA250ARA560MF61G</u>	<u>HHXA630ARA220MF80G</u>
<u>HHXA160ARA820MF61G</u>	<u>HHXA350ARA271MJA0G</u>	<u>HHXA500ARA330MF80G</u>	<u>HHXA350ARA470MF61G</u>
<u>HHXA630ARA100MF61G</u>	<u>HHXA250ARA331MJA0G</u>	<u>HHXA500ARA680MHA0G</u>	<u>HHXA250ARA221MHA0G</u>
<u>HHXA160ARA151MF80G</u>	<u>HHXA350ARA680MF80G</u>	<u>HHXA630ARA560MJA0G</u>	<u>HHXA160ARA271MHA0G</u>
<u>HHXA800ARA390MJA0G</u>	<u>HHXA800ARA220MHA0G</u>	<u>HHXA500ARA470MHA0G</u>	<u>HHXA350GRA271MJA0G</u>