

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.

HXA P3-12

Higher temperature

HXB



SPECIFICATIONS

Items	Characteristics							
Category								
Temperature Range	-55 to +105℃							
Rated Voltage Range	16 to 80V _{dc}							
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)							
Leakage Current	I=0.01CV Where, I : Max. leakage current (μ A), C: Nominal capacitance(μ F), V : Rated voltage(V) (at 20℃ after 2 minutes)							
Dissipation Factor (tan δ)	Rated voltage(V _{dc})	16V	25V	35V	50V	63V	80V	(at 20℃, 120Hz)
	tan δ (Max.)	0.16	0.14	0.12	0.10	0.08	0.08	
Low Temperature Characteristics (Max. Impedance Ratio)	Z(-25℃)/Z(+20℃)≤1.5							
	Z(-55℃)/Z(+20℃)≤2.0 (at 100kHz)							
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ 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 ℃.							
	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℃ after exposing them for 1,000 hours at 105 ℃ 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						

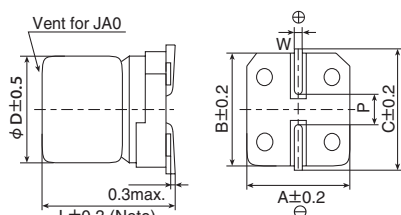
DIMENSIONS [mm]

- Terminal Code : A

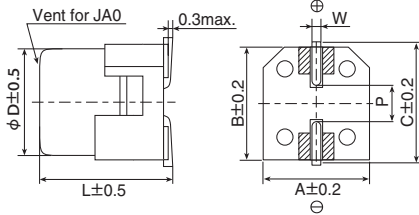
- Size code : F61 to JA0

- Terminal Code : G(Vibration resistant structure)

- Size code : HA0 and JA0



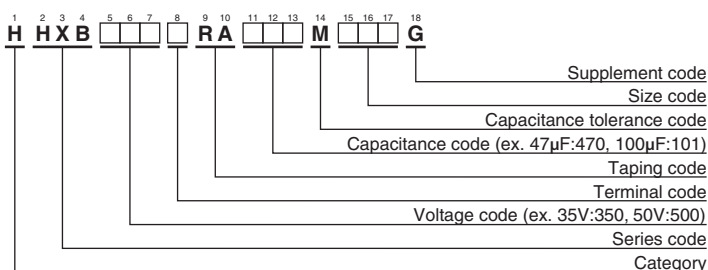
Note : L±0.5 for HA0 and JA0



⊠ : Dummy terminals

Size Code	φD	L	A	B	C	W	P
F61	6.3	5.8	6.6	6.6	7.2	0.5 to 0.8	1.9
F80	6.3	7.7	6.6	6.6	7.2	0.5 to 0.8	1.9
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

PART NUMBERING SYSTEM



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

MARKING

EX) 35V47μF



- Rated voltage symbol

Rated voltage (V _{dc})	Symbol
16	C
25	E
35	V
50	H
63	J
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.
16	82	F61	45	1,600	HHXB160ARA820MF61G
	150	F80	27	2,200	HHXB160ARA151MF80G
	270	HA0	22	2,500	HHXB160□RA271MHA0G
	470	JA0	18	2,600	HHXB160□RA471MJA0G
25	47	F61	50	1,300	HHXB250ARA470MF61G
	56	F61	50	1,300	HHXB250ARA560MF61G
	68	F80	30	2,000	HHXB250ARA680MF80G
	100	F80	30	2,000	HHXB250ARA101MF80G
	150	HA0	27	2,300	HHXB250□RA151MHA0G
	220	HA0	27	2,300	HHXB250□RA221MHA0G
	270	JA0	20	2,500	HHXB250□RA271MJA0G
	330	JA0	20	2,500	HHXB250□RA331MJA0G
35	27	F61	60	1,300	HHXB350ARA270MF61G
	47	F61	60	1,300	HHXB350ARA470MF61G
	47	F80	35	2,000	HHXB350ARA470MF80G
	68	F80	35	2,000	HHXB350ARA680MF80G
	100	HA0	27	2,300	HHXB350□RA101MHA0G
	150	HA0	27	2,300	HHXB350□RA151MHA0G
	150	JA0	20	2,500	HHXB350□RA151MJA0G
	270	JA0	20	2,500	HHXB350□RA271MJA0G
50	10	F61	80	1,100	HHXB500ARA100MF61G
	15	F80	40	1,600	HHXB500ARA150MF80G
	22	F61	80	1,100	HHXB500ARA220MF61G
	33	F80	40	1,600	HHXB500ARA330MF80G
	33	HA0	30	1,800	HHXB500□RA330MHA0G
	47	HA0	30	1,800	HHXB500□RA470MHA0G
	56	JA0	25	2,000	HHXB500□RA560MJA0G
	68	HA0	30	1,800	HHXB500□RA680MHA0G
	100	JA0	25	2,000	HHXB500□RA101MJA0G
63	6.8	F61	120	1,000	HHXB630ARA6R8MF61G
	10	F61	120	1,000	HHXB630ARA100MF61G
	10	F80	80	1,500	HHXB630ARA100MF80G
	22	F80	80	1,500	HHXB630ARA220MF80G
	22	HA0	40	1,600	HHXB630□RA220MHA0G
	33	HA0	40	1,600	HHXB630□RA330MHA0G
	33	JA0	30	1,800	HHXB630□RA330MJA0G
	56	JA0	30	1,800	HHXB630□RA560MJA0G
80	22	HA0	45	1,600	HHXB800□RA220MHA0G
	39	JA0	35	1,700	HHXB800□RA390MJA0G

□ : Enter the appropriate terminal code.