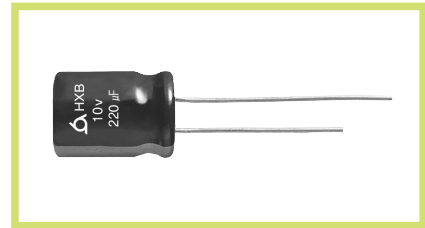


HXB Series

• 105°C 1,000~2,000Hrs assured.

- Non-solvent proof.
- Low Impedance, Long Life.
- Height 7mm~9mm.
- For LED TV PSU, DVD Driver.
- RoHS compliant.
- Halogen-free capacitors are also available.



SPECIFICATIONS

Item	Characteristics
Rated Voltage Range	6.3 ~ 50 V _{DC}
Operating Temperature Range	-40 ~ +105°C
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)
Leakage Current	I=0.01CV(μA) or 3μA, whichever is greater. Where, I:Max. Leakage current(μA), C:Nominal capacitance(μF), V:Rated voltage(V _{DC}) (at 20°C, 2 minutes)
Dissipation Factor(Tanδ)	Rated voltage(V _{DC})
	Tanδ(Max.)
Temperature Characteristics (Max. Impedance ratio)	Rated voltage(V _{DC})
	Z(-25°C)/Z(20°C)
	Z(-40°C)/Z(20°C)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2,000 hours at 105°C. (where 1,000 hours for ø4) Capacitance change ≤ ±25% of the initial value Tanδ ≤ 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. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤ ±25% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value
Others	Satisfied characteristics KS C IEC 60384-4

RATINGS OF HXB Series

V _{DC} μF	6.3		10		16		25		35		50	
1											4X7 3.00 53	
2.2											4X7 2.20 80	
4.7											5X7 1.15 120	
10											4X7 2.00 85	
22											5X7 0.70 165	
33	4X7 1.50 130	4X7 1.50 130									6.3X7 0.35 260	
47	5X7 0.70 165	5X7 0.70 165	5X7 0.70 165	5X7 0.70 165	5X7 0.70 165	5X7 0.70 165	6.3X7 0.35 260	8X7 0.17 450	8X7 0.17 450	8X7 0.17 450	8X7 0.17 450	
68	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	8X7 0.17 450	8X9 0.15 500	8X9 0.15 500	8X9 0.15 500	
100	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	6.3X7 0.35 260	8X7 0.17 450	8X9 0.15 500				
150	6.3X7 0.35 260	6.3X7 0.35 260	8X7 0.17 450	8X7 0.17 450	8X9 0.15 500							
220	8X7 0.17 450	8X7 0.17 450	8X9 0.15 500									
330	8X7 0.17 450	8X9 0.15 500										
390	8X9 0.15 500											

Rated Ripple Current (mArms/105°C, 100kHz)
 Impedance (Ω max./20°C, 100kHz)
 Case Size øD×L(mm)

RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Cap.(μF)	120	1k	10k	50k	100k
1 ~ 150	0.40	0.75	0.90	0.95	1.00
220 ~ 390	0.50	0.85	0.94	0.97	1.00

DIMENSIONS OF HXB Series

Unit(mm)

Marking : DARK BROWN SLEEVE, SILVER INK

ø D	4	5	6.3	8
ø d	0.45			
F	1.5	2.0	2.5	3.5
ø D'	ø D + 0.5 max.			
L'	L + 1.0 max.			

* ø 8 x 9 L, ø d = 0.60