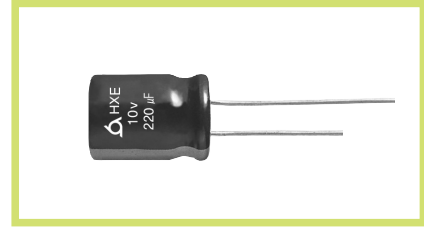
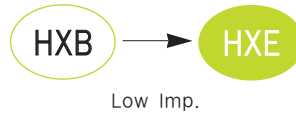


HXE Series

• 105°C 2,000Hrs assured.

- Non-solvent proof.
- Ultra Low Impedance.
- 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 ~ 35 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)	<table border="1"> <tr> <td>Rated voltage(V_{DC})</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </table> (at 20°C, 120Hz)	Rated voltage(V _{DC})	6.3	10	16	25	35	Tanδ(Max.)	0.22	0.19	0.16	0.14	0.12
Rated voltage(V _{DC})	6.3	10	16	25	35								
Tanδ(Max.)	0.22	0.19	0.16	0.14	0.12								
Temperature Characteristics (Max. Impedance ratio)	<table border="1"> <tr> <td>Rated voltage(V_{DC})</td> <td>6.3</td> <td>10</td> <td>16~35</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table> (at 120Hz)	Rated voltage(V _{DC})	6.3	10	16~35	Z(-25°C)/Z(20°C)	2	2	2	Z(-40°C)/Z(20°C)	6	4	3
Rated voltage(V _{DC})	6.3	10	16~35										
Z(-25°C)/Z(20°C)	2	2	2										
Z(-40°C)/Z(20°C)	6	4	3										
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. Capacitance change ≤ ±25% of the initial value Tan δ ≤ 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 Tan δ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value												
Others	Satisfied characteristics KS C IEC 60384-4												

RATINGS OF HXE Series

Unit(mm)

Marking : DARK BROWN SLEEVE, SILVER INK

øD	4	5	6.3	8
ød	0.45			
F	1.5	2.0	2.5	3.5
øD'	øD + 0.5 max.			
L'	L + 1.0 max.			

※ ø8 x 9L, ød=0.60

RATINGS OF HXE Series

WV (V)	Cap. (μF)	∅ D×L(mm)	IMP. (Q max. / 100kHz)		Rated Ripple Current (mArms/105°C, 100kHz)
			20°C	-10°C	
6.3	33	4×7	0.56	1.70	230
	47	5×7	0.26	0.86	350
	100	6.3×7	0.15	0.50	480
	330	8×7	0.10	0.35	800
	390	8×9	0.08	0.30	850
10	33	4×7	0.56	1.70	230
	47	5×7	0.26	0.86	350
	150	6.3×7	0.15	0.50	480
	220	8×7	0.10	0.35	800
	330	8×9	0.08	0.30	850
16	22	4×7	0.56	1.70	230
	33	5×7	0.26	0.86	350
	47	5×7	0.26	0.86	350
	100	6.3×7	0.15	0.50	480
	150	8×7	0.10	0.35	800
	220	8×9	0.08	0.30	850
25	10	4×7	0.56	1.70	230
	33	5×7	0.26	0.86	350
	47	6.3×7	0.15	0.50	480
	68	6.3×7	0.15	0.50	480
	100	8×7	0.10	0.35	800
	150	8×9	0.08	0.30	850
35	4.7	4×7	0.64	2.10	230
	10	5×7	0.33	1.10	350
	22	5×7	0.33	1.10	350
	33	6.3×7	0.15	0.50	480
	68	8×7	0.10	0.35	800
	100	8×9	0.08	0.30	850

RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Cap.(μF) \ Freq.(Hz)	120	1k	10k	50k	100k
4.7 ~ 150	0.40	0.75	0.90	0.95	1.00
220 ~ 390	0.50	0.85	0.94	0.97	1.00