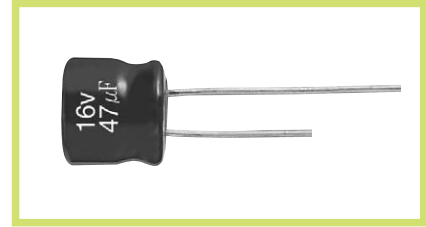
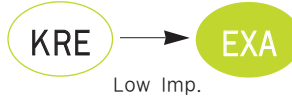


EXA Series

• 105°C 1,000Hrs assured.

- Low Impedance
- Height 5mm.
- For CAR-Audio
- RoHS compliant.
- Halogen-free capacitors are also available.

Solvent-proof



SPECIFICATIONS

Item	Characteristics																		
Rated Voltage Range	6.3 ~ 35 V _{DC}																		
Operating Temperature Range	-55 ~ +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(Tan δ)	<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>Tan δ(Max.)</td> <td>0.22</td> <td>0.20</td> <td>0.18</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	Tan δ(Max.)	0.22	0.20	0.18	0.14	0.12						
Rated voltage(V _{DC})	6.3	10	16	25	35														
Tan δ(Max.)	0.22	0.20	0.18	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</td> <td>25</td> <td>35</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>9</td> <td>7</td> <td>5</td> <td>3</td> <td>3</td> </tr> </table> (at 120Hz)	Rated voltage(V _{DC})	6.3	10	16	25	35	Z(-25°C)/Z(20°C)	3	3	2	2	2	Z(-40°C)/Z(20°C)	9	7	5	3	3
Rated voltage(V _{DC})	6.3	10	16	25	35														
Z(-25°C)/Z(20°C)	3	3	2	2	2														
Z(-40°C)/Z(20°C)	9	7	5	3	3														
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1,000 hours at 105°C. Capacitance change ≤ ±20% 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 500 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 measurement. Capacitance change ≤ ±20% of the initial value Tan δ ≤ 200% of the initial specified value Leakage current ≤ 200% of the initial specified value																		
Others	Satisfied characteristics W of KS C 6421																		

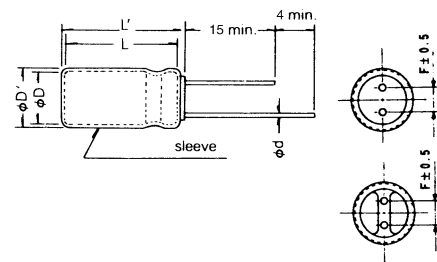
RATINGS OF EXA Series

µF \ V _{DC}	6.3(0J)			10(1A)			16(1C)			25(1E)			35(1V)			
1												4×5	5.0	50		
1.5												4×5	5.0	50		
2.2												4×5	5.0	50		
3.3												4×5	5.0	50		
4.7									4×5	5.0	50	4×5	5.0	50		
6.8									4×5	5.0	50	5×5	2.6	80		
10								4×5	5.0	50	5×5	2.6	80	5×5	2.6	80
15								5×5	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115
22	4×5	5.0	50	5×5	2.6	80	5×5	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115	
33	5×5	2.6	80	5×5	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115				
47	5×5	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115							
68	6.3×5	1.3	115													
100	6.3×5	1.3	115													

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

DIMENSIONS OF EXA Series

Unit (mm)



Marking : DARK BROWN SLEEVE, SILVER INK

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