

RH series

+150°C, 1000 Hours(超高耐温)

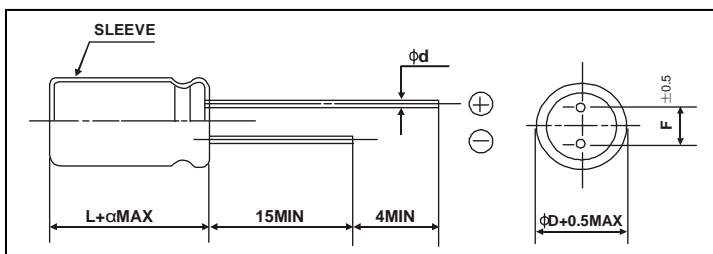
◆ FEATURES

- Solution for high temperature application such as automobile electronics
- 最适合车载机器等高温用途.

◆ SPECIFICATIONS

Items	Characteristics																																
Category Temperature Range	-40°C~+150°C																																
Rated Voltage Range	10~63V.DC																																
Nominal Capacitance Range	47~1000μ F																																
Capacitance Tolerance	±20%(120Hz,+20°C)																																
Leakage Current(MAX, 20°C)	I=0.01CV or 3(μA) after 2 minutes with rated working voltage																																
Dissipation Factor(MAX) Tanδ (20°C,120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Tanδ</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.11</td> </tr> </tbody> </table>	Rated Voltage(V)	10	16	25	35	50	63	Tanδ	0.20	0.16	0.14	0.12	0.12	0.11																		
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Tanδ	0.20	0.16	0.14	0.12	0.12	0.11																											
When nominal capacitance is over 1000μ F,tanδ shall be added 0.02 to the listed value with Increase of every 1000μ F																																	
Load Life	After applying rated voltage with max ripple current for 1000 hrs at 150°C,the capacitors shall meet the following requirements																																
	Capacitance Change	Within ±20% of the initial value																															
	Dissipation Factor	Not more than 200% of the specified value																															
Shelf Life	After Leaving capacitors under no load at 150°C for 1000hrs,they meet the characteristic requirements listed at right																																
	Capacitance change	Within ±20% of the initial value																															
	Tanδ	≤200% of initial specified value																															
Low Temperature Stability Impedance Rate(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Z-25°C/Z+20°C</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>						Rated Voltage(V)	6.3	10	16	25	35	50	63	100	Z-25°C/Z+20°C	5	4	3	2	2	2	2	2	Z-40°C/Z+20°C	10	8	6	4	3	3	3	3
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Other	JISC-5141 EIAJ RC-2372																																

◆ CASE SIZE TABLE



ΦD	5	6.3	8	10	13	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5			0.6		0.8	
α	L≤16:α =1.5				L≥20:α =2.0		

◆ RIPPLE CURRENT MULTIPLIER

Rated Voltage(v)	Cap (μ F)	Frequency(Hz)				
		50	120	1K	10K	100K~
47~220	47~220	0.30	0.40	0.75	0.92	1.00
	≥330	0.40	0.50	0.80	0.95	1.00

◆ STANDARD RATINGS

size: $\Phi D \times L$ (mm)

Cap(μF)	Code	10V		16V		25V		35V		50V		63V	
		1A		1C		1E		1V		1H		1J	
47	476											10×16	220
100	107							10×16	370	10×20	300	13×20	350
220	227					10×16	370	10×20	460	13×20	400		
330	337			10×16	370	10×20	460	13×20	600	13×25	500		
470	477	10×16	370	10×20	460	13×20	600	13×25	750				
1000	108	13×20	600	13×20	750								

Maximum Allowable Ripple Current(mA rms) at 150°C 100KHz