

BLH Series

• 105°C 10,000Hrs assured.

Solvent-proof

BLA

BLH

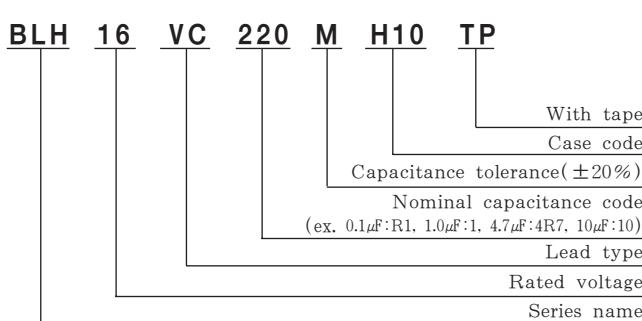
Long Life



- Vertical SMD type.
- Long Life.
- For LED MT/TV, AVN.
- RoHS compliant.
- Halogen-free capacitors are also available.
- AEC-Q200 compliant : Please contact us for more details, test data, information.

SPECIFICATIONS

Item	Characteristics							
Rated Voltage Range	10 ~ 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(Tan δ)	Rated voltage(V _{DC})	10	16	25	35	50		
	Tan δ (Max.)	0.24	0.20	0.16	0.13	0.12		
	(at 20°C, 120Hz)							
Temperature Characteristics (Max. Impedance ratio)	Rated voltage(V _{DC})	10	16	25~50				
	Z(-25°C)/Z(+20°C)	3	2	2				
	Z(-40°C)/Z(+20°C)	7	5	3	(at 120Hz)			
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 10,000 hours at 105°C.							
	Capacitance change	≤ ±30% of the initial value						
	Tan δ	≤ 300% 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	≤ ±30% of the initial value						
	Tan δ	≤ 300% of the initial specified value						
	Leakage current	≤ The initial specified value						
Others	Satisfied characteristics KS C IEC 60384-4							

PART NUMBERING SYSTEM**RATED RIPPLE CURRENT MULTIPLIERS**

Frequency Multipliers

Freq.(Hz)	120	1K	10K	100K
Factor	1.00	1.05	1.08	1.08



SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

DIMENSIONS OF BLH Series

Unit(mm)

DIMENSIONS										MARKING																																																					
										<table border="1"> <thead> <tr> <th>Case code</th><th>φ D</th><th>L</th><th>A</th><th>B</th><th>C</th><th>W</th><th>P</th><th>a</th><th>b</th><th>c</th></tr> </thead> <tbody> <tr> <td>H10</td><td>8</td><td>10</td><td>8.3</td><td>8.3</td><td>9.0</td><td>0.7~1.1</td><td>3.1</td><td>3.1</td><td>4.2</td><td>2.2</td></tr> <tr> <td>J10</td><td>10</td><td>10</td><td>10.3</td><td>10.3</td><td>11.0</td><td>0.7~1.1</td><td>4.5</td><td>4.5</td><td>4.4</td><td>2.2</td></tr> <tr> <td>K14</td><td>12.5</td><td>13.5</td><td>13.0</td><td>13.0</td><td>13.7</td><td>1.0~1.3</td><td>4.2</td><td>4.0</td><td>5.7</td><td>2.5</td></tr> </tbody> </table>										Case code	φ D	L	A	B	C	W	P	a	b	c	H10	8	10	8.3	8.3	9.0	0.7~1.1	3.1	3.1	4.2	2.2	J10	10	10	10.3	10.3	11.0	0.7~1.1	4.5	4.5	4.4	2.2	K14	12.5	13.5	13.0	13.0	13.7	1.0~1.3	4.2	4.0	5.7	2.5
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K14	12.5	13.5	13.0	13.0	13.7	1.0~1.3	4.2	4.0	5.7	2.5																																																					
Recommended solder land on PC board																																																															

RATINGS OF BLH Series

VDC μF \	10	16	25	35	50				
33						H10	77		
47				H10	92	H10	92		
100			H10	116	J10	151	J10	151	
220		H10	140	J10	218	J10	216	K14	255
330	H10	170	J10	238	J10	238	K14	301	
470	J10	254	J10	254	K14	324			
1,000	K14	472	K14	472					

