

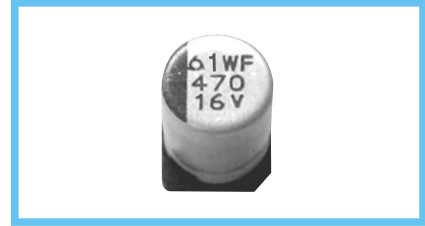
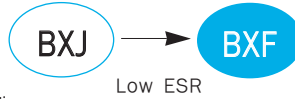
## BXF Series

• 105°C 2,000Hrs assured.

- Solvent proof.
- Ultra low ESR.
- For STB, Tuner.
- RoHS compliant.
- Halogen-free capacitors are also available.

• AEC-Q200 compliant : Please contact us for more details, test data, information.

Solvent-proof

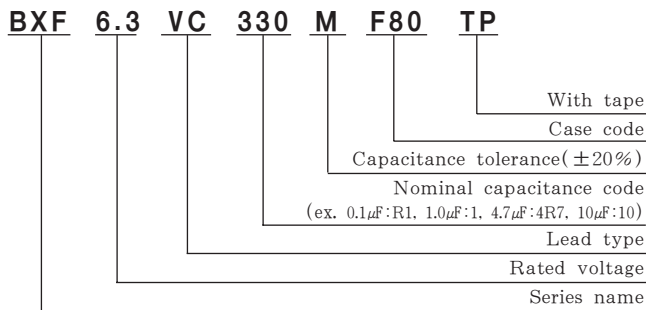


### SPECIFICATIONS

Item	Characteristics																					
Rated Voltage Range	6.3 ~ 50 V <sub>DC</sub>																					
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 <sub>DC</sub> ) (at 20°C, 2 minutes)																					
Dissipation Factor(Tanδ)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Rated Voltage(V<sub>DC</sub>)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tanδ (Max.)</td> <td>0.26</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> </tr> </table> <p style="text-align: right;">(at 20°C, 120Hz)</p>	Rated Voltage(V <sub>DC</sub> )	6.3	10	16	25	35	50	Tanδ (Max.)	0.26	0.19	0.16	0.14	0.12	0.12							
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Tanδ (Max.)	0.26	0.19	0.16	0.14	0.12	0.12																
Temperature Characteristics (Max. Impedance ratio)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Rated voltage(V<sub>DC</sub>)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Z(-25°C)/Z(+20°C)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-55°C)/Z(+20°C)</td> <td>4</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> <p style="text-align: right;">(at 120Hz)</p>	Rated voltage(V <sub>DC</sub> )	6.3	10	16	25	35	50	Z(-25°C)/Z(+20°C)	2	2	2	2	2	2	Z(-55°C)/Z(+20°C)	4	4	4	3	3	3
Rated voltage(V <sub>DC</sub> )	6.3	10	16	25	35	50																
Z(-25°C)/Z(+20°C)	2	2	2	2	2	2																
Z(-55°C)/Z(+20°C)	4	4	4	3	3	3																
Load Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied at 105°C for 2,000hours.</p> <p>Capacitance change ≤ ±30 % of the initial value</p> <p>Tanδ ≤ 300 % of the initial specified value</p> <p>Leakage current ≤ The initial specified value</p>																					
Shelf Life	<p>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.</p> <p>Capacitance change ≤ ±30 % of the initial value</p> <p>Tanδ ≤ 300 % of the initial specified value</p> <p>Leakage current ≤ The initial specified value</p>																					
Others	Satisfied characteristics KS C IEC 60384-4																					

BXF Series

### PART NUMBERING SYSTEM



### RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Cap.(μF)	Freq.(Hz)	120	1K	10K	100K
68 ~ 100		0.40	0.75	0.90	1.00
220 ~ 560		0.50	0.85	0.94	1.00
680 ~ 1,500		0.60	0.87	0.95	1.00

## DIMENSIONS OF BXF Series

Unit(mm)

### DIMENSIONS

<Size code : F80~J10>

● Vibration Resistance  
<Size code : H10~J10>

### MARKING

Note 1 : L±0.5 for 8×10(H10)~10×10(J10)  
Note 2 : 6.3WV is marked by 6V.

Case code	φD	L	A	B	C	W	P	a	b	c	a	b	c
F80	6.3	7.7	6.6	6.6	7.2	0.5~0.8	1.9	1.9	3.5	1.6			
H10	8	10	8.3	8.3	9.0	0.7~1.1	3.1	3.1	4.2	2.2	3.1	4.2	3.5
J10	10	10	10.3	10.3	11.0	0.7~1.1	4.5	4.5	4.4	2.2	4.5	4.4	3.5

● Vibration Resistance →

**Recommended solder land on PC board**

▨ : Solder land on PC board

## RATINGS OF BXF Series

μF	V <sub>DC</sub>	6.3			10			16			25			35			50																						
		Case code	a	b	c	Case code	a	b	c	Case code	a	b	c	Case code	a	b	c	Case code	a	b	c																		
68														F80	0.16	600																							
100										F80	0.16	600	F80	0.16	600	H10	0.34	350																					
150										F80	0.16	600	H10	0.08	850	H10	0.08	850	J10	0.18	670																		
220					F80	0.16	600	F80	0.16	600	H10	0.08	850	H10	0.08	850	J10	0.18	670																				
330		F80	0.16	600	H10	0.08	850	H10	0.08	850	H10	0.08	850	J10	0.06	1,190																							
470		H10	0.08	850	H10	0.08	850	H10	0.08	850	J10	0.06	1,190																										
560		H10	0.08	850	H10	0.08	850	J10	0.06	1,190	J10	0.06	1,190																										
680		H10	0.08	850	H10	0.08	850	J10	0.06	1,190																													
820		H10	0.08	850	J10	0.06	1,190	J10	0.06	1,190																													
1,000		H10	0.08	850	J10	0.06	1,190																																
1,500		J10	0.06	1,190																																			

↑ Case code  
 ↑ ESR (Ω max./20°C, 100kHz)  
 ↑ Rated Ripple Current (mA rms/105°C, 100kHz)