BXF Series

• 105℃ 2,000Hrs assured.

Solvent-proof

- 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.

BXJ → BXF
Low ESR

SPECIFICATIONS

Item	Characteristics
Rated Voltage Range	6.3 ~ 50 V_{DC}
Operating Temperature Range	-55 ~ +105℃
Capacitance Tolerance	±20%(M) (at 20℃, 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℃, 2 minutes)
Dissipation Factor(Tanδ)	Rated Voltage(V_{DC}): 6.3 / 10 / 16 / 25 / 35 / 50 Tanδ (Max.): 0.26 / 0.19 / 0.16 / 0.14 / 0.12 / 0.12 (at 20℃, 120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated voltage(V_{DC}): 6.3 / 10 / 16 / 25 / 35 / 50 Z(-25℃)/Z(+20℃): 2 / 2 / 2 / 2 / 2 / 2 Z(-55℃)/Z(+20℃): 4 / 4 / 4 / 3 / 3 / 3 (at 120Hz)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied at 105℃ for 2,000hours. Capacitance change ≤ ±30 % of the initial value Tanδ ≤ 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℃ after exposing them for 1,000 hours at 105℃ 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 Tanδ ≤ 300 % of the initial specified value Leakage current ≤ The initial specified value
Others	Satisfied characteristics KS C IEC 60384-4

PART NUMBERING SYSTEM

BXF 6.3 VC 330 M F80 TP

- TP : With tape
- F80 : Case code
- M : Capacitance tolerance(±20%)
- 330 : Nominal capacitance code (ex. 0.1μF:R1, 1.0μF:1, 4.7μF:4R7, 10μF:10)
- VC : Lead type
- 6.3 : Rated voltage
- BXF : Series name

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

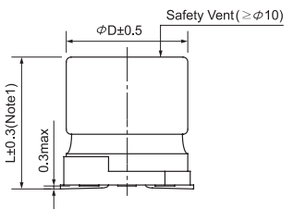
DIMENSIONS OF BXF Series

Unit(mm)

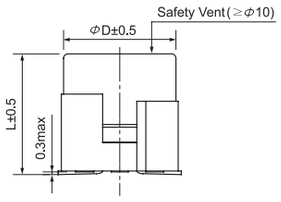
DIMENSIONS

● Vibration Resistance

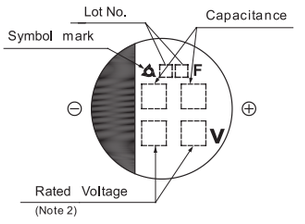
〈Size code : F80～J10〉

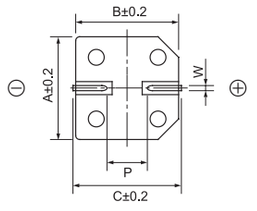


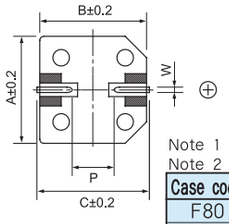
〈Size code : H10～J10〉



MARKING





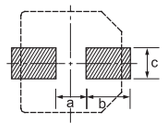


Note 1 : L±0.5 for 8×10(H10)～10×10(J10)
Note 2 : 6.3WV is marked by 6V.

Case code	ØD	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 \ VDC	6.3			10			16			25			35			50		
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	0.09	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															

Rated Ripple Current (mArms/105℃, 100kHz)
ESR (Ω max./20℃, 100kHz)
Case code