BXJ Series

• 105℃ 2,000~5,000Hrs assured.

Solvent-proof

- Vertical SMD type.
- Very low impedance, Long Life.
- For STB, Tuner
- RoHS compliant.
- Halogen-free capacitors are also available.

BXE → BXJ
Long Life.

SPECIFICATIONS

Item	Characteristics
Rated Voltage Range	6.3 ~ 35 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 Tan δ (Max.) 0.26 0.19 0.16 0.14 0.12 (at 20℃, 120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated voltage(V_{DC}) 6.3 10 16 25 35 Z(-25℃)/Z(+20℃) 3 2 2 2 2 Z(-55℃)/Z(+20℃) 5 4 4 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 with the following conditions. D56~H63 : 105℃, 2,000 hours, H10 & J10 : 105℃, 5,000 hours. Capacitance change D56~H63 ≦ ±30% of the initial value H10, J10 ≦ ±35% 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 D56~H63 ≦ ±30% of the initial value H10, J10 ≦ ±35% 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

BXJ 6.3 VC 220 M F60 TP

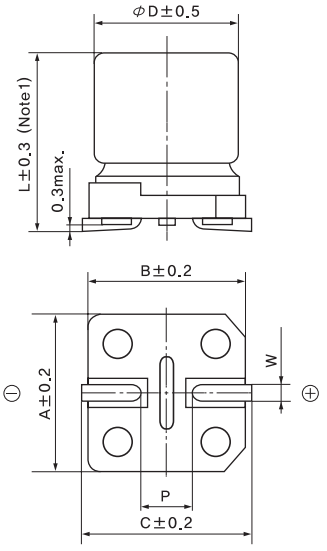
- TP : With tape
- F60 : Case code
- M : Capacitance tolerance(±20%)
- 220 : Nominal capacitance code
- VC : Lead type
- 6.3 : Rated voltage in volts
- BXJ : Series name

Capacitance	Code
0.1μF	R1
0.47μF	R47
1.0μF	1
4.7μF	4R7
10μF	10
100μF	100

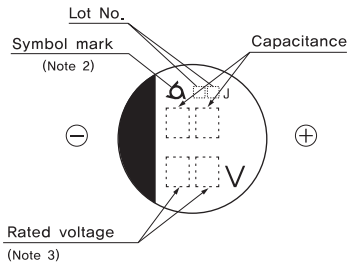
DIMENSIONS OF BXJ Series(Type : VC)

Unit(mm)

DIMENSIONS



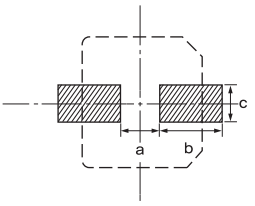
MARKING



Note 1 : L±0.5 for 8×6.3(H63)~10×10(J10).
Note 2 : 4×5.3(D56), 5×5.3(E56) is excluded symbol mark.
Note 3 : 6.3WV is marked by 6V.

Case code	ØD	L	A	B	C	W	P	a	b	c
D56	4	5.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6
E56	5	5.3	5.3	5.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F80	6.3	7.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
H63	8	6.3	8.3	8.3	9.0	0.5-0.8	2.3	2.3	4.5	1.6
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

Recommended solder land on PC board



: Solder land on PC board

RATINGS OF BXJ Series

μF \ VDC	6.3			10			16			25			35		
4.7													D56	1.8	85
10										D56	1.8	85	E56	0.8	155
22				D56	1.8	85	E56	0.8	155	E56	0.8	155	F55	0.55	220
33	D56	1.8	85	E56	0.8	155	F60	0.36	240	F60	0.36	240	F60	0.36	240
47	E56	0.8	155	F60	0.36	240	F60	0.36	240	F60	0.36	240	F60	0.36	240
68	F60	0.36	240	F60	0.36	240	F60	0.36	240	F60	0.36	240	F80	0.34	280
100	F60	0.36	240	F60	0.36	240	F60	0.36	240	F80	0.34	280	H10	0.16	600
										H63	0.26	300	J10	0.08	850
220	F60	0.36	240	F80	0.34	280	F80	0.34	280	H10	0.16	600	H10	0.16	600
330	F80	0.34	280	H10	0.16	600	H10	0.16	600	H10	0.16	600	J10	0.08	850
470	H10	0.16	600	H10	0.16	600	H10	0.16	600	J10	0.08	850			
1,000	H10	0.16	600	J10	0.08	850									
1,500	J10	0.08	850												

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