BXP Series

• 105℃ 10,000Hrs assured.

- Vertical SMD type
- Ultra low ESR, Long Life
- For STB, Tuner, Car
- **RoHS compliant.**
- **Halogen-free capacitors are also available.**
- AEC-Q200 compliant : Please contact us for more details, test data, information.

BXW → BWP
Long Life

SPECIFICATIONS

Item	Characteristics
Rated Voltage Range	25 ~ 35 V_{DC}
Operating Temperature Range	-55℃ ~ +105℃
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)
Leakage Current	I = 0.01CV(μA) or 3μA, whicher 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}) 25 35 Tanδ(Max.) 0.14 0.12 (at 20℃, 120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(V_{DC}) 25 35 Z(-25℃)/Z(+20℃) 2 3 Z(-55℃)/Z(+20℃) 2 3 (at 120Hz)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 10,000hours at 105℃. Capacitance change ≤ ±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 volage 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 ≤ ±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

BXP 35 VC 560 M J10 TP

- TP : With tape
- J10 : Case code
- M : Capacitance tolerance(±20%)
- 560 : Nominal capacitance code (ex. 0.1μF:R1, 1.0μF:1, 4.7μF:4R7, 10μF:10)
- VC : Lead type
- 35 : Rated voltage
- BXP : Series name

RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

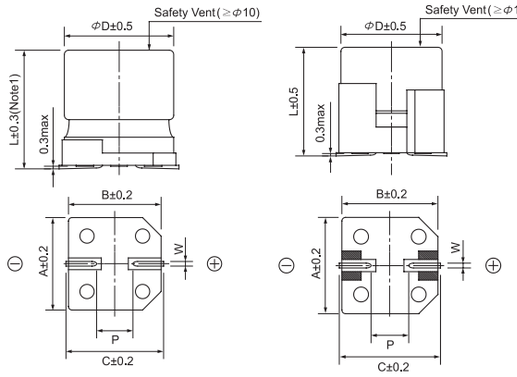
Cap.(μF) \ Freq.(Hz)	120	1K	10K	100K
560	0.50	0.85	0.94	1.00
740	060	0.87	0.95	1.00

DIMENSIONS OF BXP Series

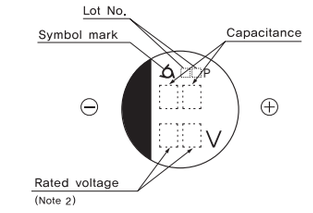
Unit(mm)

DIMENSIONS

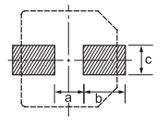
〈Size code : J10〉



MARKING



Recommended solder land on PC board



▨ : Solder land on PC board

Note 1 : L±0.5 for H10 , J10

Case code	ØD	L	A	B	C	W	P	a	b	c	a	b	c
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 ▲

RATINGS OF BXP Series

V_{DC}	Cap.(μF)	Case Code	ESR (Ωmax./20℃,100㎑)	Rated Ripple Current (mArms/105℃ 100㎑)
25	740	J10	0.08	1,190
35	560	J10	0.08	1,190