



BXM Series

- 105°C 2,000Hrs assured.
- Vertical SMD type
- For STB, Tuner, Car.
- RoHS compliant.
- Halogen-free capacitors are also available.
- AEC-Q200 compliant : Please contact us for more details, test data, information.

Solvent-proof

BXQ

Downsized

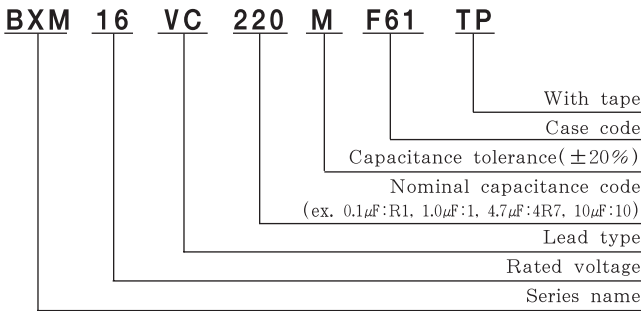
BXM



SPECIFICATIONS

Item	Characteristics																			
Rated Voltage Range	16 ~ 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)	<table><tr><td>Rated Voltage(V_{DC})</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Tanδ (Max.)</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.12</td></tr></table> (at 20℃, 120Hz)					Rated Voltage(V _{DC})	16	25	35	50	Tanδ (Max.)	0.16	0.14	0.12	0.12					
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Temperature Characteristics (Max. Impedance ratio)	<table><tr><td>Rated voltage(V_{DC})</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z(-25℃)/Z(+20℃)</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-55℃)/Z(+20℃)</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table> (at 120Hz)					Rated voltage(V _{DC})	16	25	35	50	Z(-25℃)/Z(+20℃)	2	2	2	2	Z(-55℃)/Z(+20℃)	4	3	3	3
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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



RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Cap.(μF)	Freq.(Hz)	120	1K	10K	100K
56 ~ 180		0.40	0.75	0.90	1.00
220 ~ 330		0.50	0.85	0.94	1.00

BXM Series

DIMENSIONS OF BXM Series

Unit(mm)

DIMENSIONS

• Vibration Resistance

〈Size code : F61 ~ F80〉

MARKING

Recommended solder land on PC board

■ : Solder land on PC board

Case code	φ D	L	A	B	C	W	P	a	b	c	a	b	c
F61	6.3	5.8	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	1.9	3.5	3.3

● Vibration Resistance →

RATINGS OF BXM Series

Vdc	Cap.(μF)	Case code	ESR (Ω max. / 20°C, 100kHz)	Rated Ripple Current (mA rms / 105°C, 100kHz)
16	220	F61	0.26	300
	330	F80	0.16	600
25	120	F61	0.26	300
	220	F80	0.16	600
35	82	F61	0.26	300
	180	F80	0.16	600
50	56	F61	0.68	195
	120	F80	0.34	350