

BXA Series

● 105°C 1,000 ~ 2,000Hrs assured

- Vertical SMD type.
- Low impedance .
- Ecological capacitors are also available

Solvent-
proof



MVY

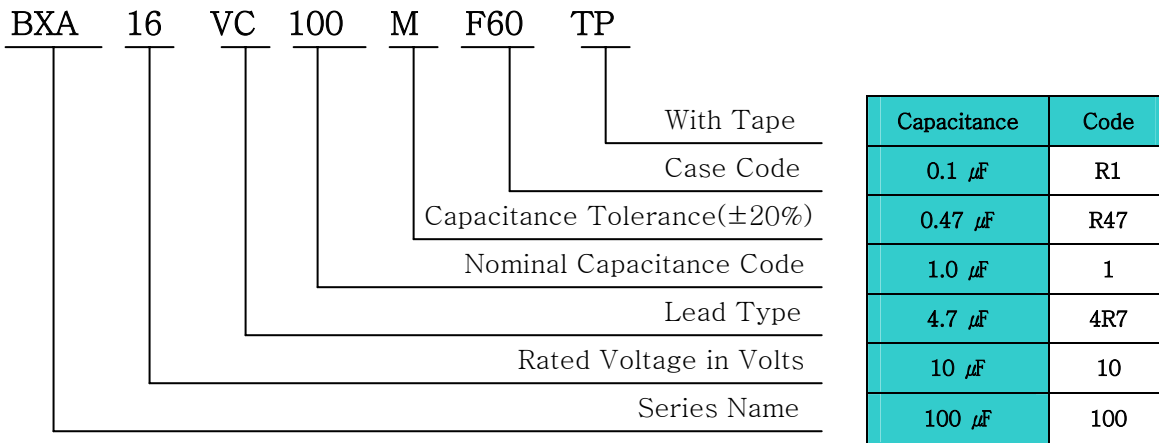
→
Low Imp.

BXA

SPECIFICATIONS

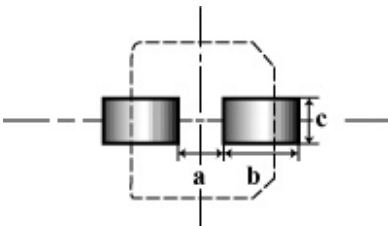
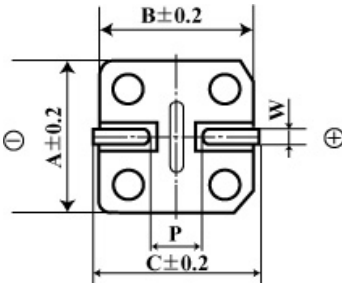
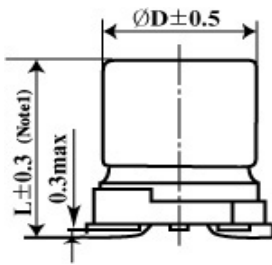
Item	Characteristics					
Rated Voltage Range	6.3 ~ 35V _{DC}					
Operating Temperature Range	-55 ~ +105°C					
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)					
Leakage Current	<p>I = 0.01CV(μA) or 3μA, whichever is greater.</p> <p>Where, I : Max. Leakage current(μA), C : Nominal capacitance(μF), V: Rated voltage(V_{DC})</p> <p>(at 20°C, 2 minutes)</p>					
Dissipation Factor Tanδ(Max.)	Rated Voltage(V _{DC})	6.3	10	16	25	35
	Size					
	D56 ~ F80	0.24	0.20	0.16	0.14	0.12
	H10, J10	0.28	0.24	0.20	0.16	0.14
(at 20°C, 120Hz)						
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(V _{DC})	6.3	10	16	25	35
	Z(-25°C) / Z(20°C)	3	2	2	2	2
	Z(-55°C) / Z(20°C)	5	4	4	3	3
(at 120Hz)						
Load Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with the following conditions.</p> <p>∅ 4 ~ ∅ 6.3 : 105°C, 1,000 hours, ∅ 8 & 10 : 105°C, 2,000 hours.</p> <p>Capacitance change ≤ ±25% of the initial value</p> <p>Tanδ ≤ 200% 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 ≤ ±25 of the initial value</p> <p>Tanδ ≤ ±200% of the initial specified value</p> <p>Leakage current ≤ The initial specified value</p>					
Others	Satisfied characteristics W of KS C 6421					

PART NUMBERING SYSTEM

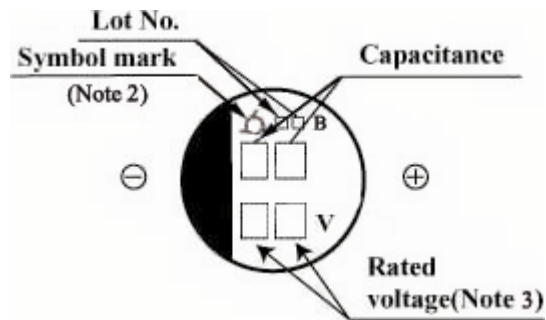


DIMENSIONS OF MVK Series (Type : VC)

DIMENSIONS



MARKING




Note 1: $L \pm 0.5$ For 8×10 (H10), 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.

Note 4: Case Color ; Clarity Green

Case code	$\varnothing D$	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
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
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

 Solder pad on PC board

RATINGS OF BXA Series

V_{DC} μF	6.3(0J)			10(1A)			16(1C)			25(1E)			35(1V)		
	4.7													D56	1.8
10										D56	1.8	80	E56	0.76	150
22				D56	1.8	80	E56	0.76	150	E56	0.76	150	E56	0.76	150
33	D56	1.8	80	E56	0.76	150	F60	0.44	230	F60	0.44	230	F60	0.44	230
47	E56	0.76	150	F60	0.44	230	F60	0.44	230	F60	0.44	230	F60	0.44	230
68	F60	0.44	230	F60	0.44	230	F60	0.44	230	F60	0.44	230	F80	0.34	280
100	F60	0.44	230	F60	0.44	230	F60	0.44	230	F80	0.34	280	H10	0.17	450
220	F60	0.44	230	F80	0.34	280	F80	0.34	280	H10	0.17	450	H10	0.17	450
330	F80	0.34	280	H10	0.17	450	H10	0.17	450	H10	0.17	450	J10	0.09	670
470	H10	0.17	450	H10	0.17	450	H10	0.17	450	J10	0.09	670			
1,000	H10	0.17	450	J10	0.09	670									
1,500	J10	0.09	670												

▲ Permissible Ripple Current(mArms/105℃, 100kHz)

▲ Impedance(Ω Max./ 20℃, 100kHz)

▲Case Code