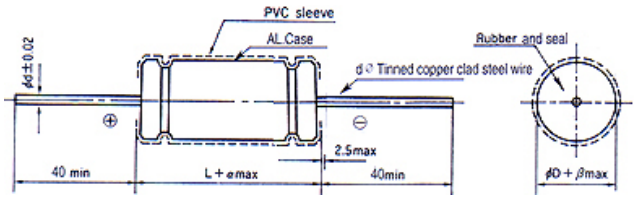
BA series BI-POLAR HIGH-RIPPLE AT 1KHZ

Item	Characteristics
Operating Temperature Range	- 40~85°C
Rated Working Voltage Range	50V~100V DC
Capacitance Tolerance (1KHz,25°C)	± 10%(K)
Leakage Current (25°C)	I≦0.04CV or 10(μA) I: Leakage Current (μ A) C: Rated Capacitance(μ F) V:Working Voltage(V) After 5 minutes applying the DC working voltage
Surge Voltage (25°C)	W.V. 50 100 S.V. 63 125
Disspation Fator (120Hz,25°C) (Tan.θ)	W.V. 50 100 S.V. 0.1
Temperature Characteristics	W.V. 50 100 -25°C /+25°C 4 4 -40°C /+25°C 6 6 Impedance ratio at 120Hz
Load Test	After 1000 hours application of W.V. at +85°C the capacitor shall meet the following limits Capacitance change ≦±25°C of initial value Tan.θ ≦±200°C of initial specified value Leakage current ≦initial specified value
Shelf Test	After 500 hours application of W.V. at +85°C the capacitor shall meet the following limits Capacitance change ≦±25°Cof initial value Tan.θ ≦±200°C of initial specified value Leakage current ≦200% of initial specified value

BAseries Dimensions



Unit(mm)

D	6	10	13	16	18
F±0.02	0.5	0.6	0.6	0.8	0.8

DxL(m/m)

uF\ WV	50V		100V	
	ø DxL(mm)	R.C.	ø DxL(mm)	R.C.
1	8x17	86	8x17	90
1.5	8x17	95	8x17	100
2.2	8x17	125	8x17	135
3.3	8x17	155	8x17	165
4.7	8x17	180	10x20	195
5.6	8x17	210	10x20	230
6.8	10x20	230	10x20	270
8.2	10x20	260	10x20	90
10	10x20	310	10x20	360
15	10x20	360	10x24	560
22	10x24	520	10x24	580
33	10x24	610	13x26	760
47	10x24	730	13x31	860
68	13x26	950	13x31	1080
100	13x31	1400	16x33	1640

A-CAP PART NUMBER SYSTEM FOR ALUMINUM ELECTROLYTIC CAPACITORS

RoHS Compliant Pb Free

ORDERING INFORMATION

OPTIONAL DIMENSIONS AND LEAD SPACING (IF NOT STANDARD)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S R	1 0 3	M	0 1 6	B	2 0 3 6	G	10.5
Series	Capacitance (µF)	Capacitance Tolerance (EIA Code)	Voltage Code	Packing Code	Diameter x Height (mm)	Lead Spacing	Lead Length (mm) (For lead cut only)

Series
SR
SA
GR
GA
SS
SK
SL
SZ
NR
NA
BA
LS
LB
SG

EXAMPLES: Capacitance	Code
0.1 µF	R10
0.68 µF	R68
1.0 µF	1R0
6.8 µF	6R8
10 µF	100
68 µF	680
100 µF	101
680 µF	681
1000 µF	102
6800 µF	682
10000 µF	103

Code	Tolerance
K	± 10%
*M	± 20%
Q	-10 ~ +30%
T	-10 ~ +50%

Rated Voltage	Code
10 V	010
16 V	016
25 V	025
35 V	035
50 V	050
63 V	063
100 V	100
160 V	160
200 V	200
250 V	250
350 V	350
400 V	400
450 V	450

Code	Packing Form and Lead
B	Bulk
A	Ammo Taping
T	Tape & Reel
C	Lead cut only
Z	Lead formed only
F	Lead cut & formed
Y	Lead kinked

Code	Lead Spacing Denoted By "F" (mm)
A	1.5 mm
B	2.0 mm
C	2.5 mm
D	3.5 mm
E	5.0 mm
F	7.5 mm
G	10.5 mm
H	12.5 mm

Can be any custom length. Examples. Code	Lead Length (mm)
3.5	3.5 mm
5.0	5.0 mm
7.5	7.5 mm
10.5	10.5 mm

EXAMPLES: Dimensions Diameter x Height (mm)	Code
4 x 7 mm	0407
5 x 11 mm	0511
6 x 7 mm	0607
6 x 11 mm	0611
8 x 9 mm	0809
8 x 12 mm	0812
10 x 17 mm	1017
13 x 21 mm	1321
16 x 26 mm	1626
20 x 36 mm	2036
22 x 41 mm	2241
25 x 56 mm	2556

ORDERING DESCRIPTION

(1) CAPACITOR SERIES

(2) CAPACITANCE CODE expressed in microfarads (µF) with three digit codes. The first two digits are significant ("R" indicates decimal point for under 10 µF) and the third digit represents the number of zeros to be added following the 2nd significant figure.

(3) TOLERANCE CODE [(M) is standard]

(4) RATED VOLTAGE in volts

(5) PACKAGING AND LEAD CONFIGURATION CODES

(6) SIZE (DIAMETER x HEIGHT in mm)

(7) LEAD SPACING in mm (Not applicable for AXIAL TYPE)

(8) LEAD LENGTH in mm (For lead cut only)

When placing an order for A-CAP ELECTROLYTIC CAPACITORS, product specifications are applied to develop part numbers as shown below:

EXAMPLE:
General purpose 1000 µF / 50 Volts / 20% / Radial Lead Cut / Lead spacing = 7.5mm / Lead Length = 7.5mm
NOTE: For Capacitance Value 1000 µF, 1 & 0 are significant digits then 2 zeros follow the 2nd signficant digit = Code 102

SR	102	M	050	C	1626	F	7.5

EXAMPLE:
High temperature load 470 µF / 25 Volts / 20% Radial Type (Tape & Reel) / Lead spacing = 5.0mm
NOTE: For Capacitance Value 470 µF, 4 & 7 are significant digits then 1 zero follows the 2nd significant digit = Code 471

GR	471	M	025	T	1021	E