

# ALUMINUM ELECTROLYTIC CAPACITORS



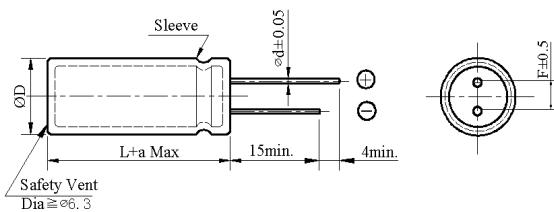
# **SB & SB-H Series**

- Standard miniature series with 5mm height at 85 °C &105°C



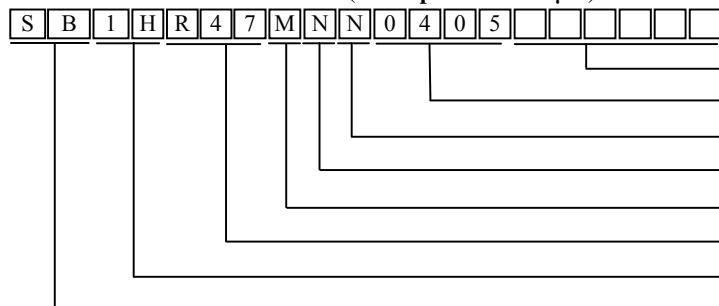
## ◆ SPECIFICATIONS

◆ DIMENSIONS (mm)



|    |              |      |      |      |
|----|--------------|------|------|------|
| ΦD | 4            | 5    | 6.3  | 8×5  |
| ΦD | ΦD + 0.5 Max |      |      |      |
| Φd | 0.45         | 0.45 | 0.45 | 0.45 |
| F  | 1.5          | 2.0  | 2.5  | 3.5  |
| a  | L + 1.0 Max  |      |      |      |

#### ◆ PART NUMBER SYSTEM( Example : 50V 0.47μF )



Special Request

Size code(0405 : 4×5)

### Lead length code

### Lead forming Type code

Capacitance tolerance code(M: $\pm 20\%$ )

### Capacitance code ( $0.47\mu\text{F}$ )

Voltage code (50V)

Series code (SB)

## SB Series

### ◆ Case size & Permissible rated ripple current (mA rms) at 85°C/120Hz

| uF   | Vdc   | 4    |       | 6.3  |       | 10   |       | 16   |    |
|------|-------|------|-------|------|-------|------|-------|------|----|
|      |       | ΦD×L | RC    | ΦD×L | RC    | ΦD×L | RC    | ΦD×L | RC |
| 0.1  |       |      |       |      |       |      |       |      |    |
| 0.22 |       |      |       |      |       |      |       |      |    |
| 0.33 |       |      |       |      |       |      |       |      |    |
| 0.47 |       |      |       |      |       |      |       |      |    |
| 1.0  |       |      |       |      |       |      |       |      |    |
| 2.2  |       |      |       |      |       |      |       |      |    |
| 3.3  |       |      |       |      |       |      |       |      |    |
| 4.7  |       |      |       |      |       |      |       |      |    |
| 10   |       |      |       |      |       |      |       |      |    |
| 22   |       |      |       |      |       |      |       | 4×5  | 32 |
| 33   |       |      |       |      |       | 5×5  | 38    | 5×5  | 42 |
| 47   | 5×5   | 35   | 5×5   | 41   | 5×5   | 45   | 6.3×5 | 58   |    |
| 100  | 6.3×5 | 63   | 6.3×5 | 70   | 6.3×5 | 73   | 6.3×5 | 80   |    |
| 220  | 6.3×5 | 70   | 6.3×5 | 95   | 8×5   | 120  | 8×5   | 125  |    |
| 330  | 8×5   | 80   | 8×5   | 150  |       |      |       |      |    |
| 470  | 8×5   | 150  |       |      |       |      |       |      |    |

| uF   | Vdc   | 25   |       | 35   |       | 50   |     |
|------|-------|------|-------|------|-------|------|-----|
|      |       | ΦD×L | RC    | ΦD×L | RC    | ΦD×L | RC  |
| 0.1  |       |      |       |      |       | 4×5  | 1   |
| 0.22 |       |      |       |      |       | 4×5  | 2   |
| 0.33 |       |      |       |      |       | 4×5  | 2.8 |
| 0.47 |       |      |       |      |       | 4×5  | 4   |
| 1.0  |       |      |       |      |       | 4×5  | 8.4 |
| 2.2  |       |      |       |      |       | 4×5  | 13  |
| 3.3  |       |      |       |      |       | 4×5  | 17  |
| 4.7  |       |      | 4×5   | 18   | 5×5   | 20   |     |
| 10   | 4×5   | 24   | 5×5   | 29   | 6.3×5 | 33   |     |
| 22   | 5×5   | 37   | 6.3×5 | 46   | 8×5   | 55   |     |
| 33   | 6.3×5 | 45   | 6.3×5 | 50   | 8×5   | 65   |     |
| 47   | 6.3×5 | 60   | 8×5   | 68   |       |      |     |
| 100  | 8×5   | 90   |       |      |       |      |     |

### ◆ RIPPLE CURRENT MULTIPLIERS

#### Frequency Multipliers

| Vdc     | Frequency (Hz) |      |      |      |      |
|---------|----------------|------|------|------|------|
|         | 60             | 120  | 1K   | 10K  | 100K |
| 4 ~ 25  | 0.75           | 1.00 | 1.10 | 1.13 | 1.20 |
| 35 ~ 50 | 0.80           | 1.00 | 1.15 | 1.20 | 1.25 |