

Long-life grade capacitors

Applications

- High reliability equipment in industrial and automotive electronics

Features

- High reliability and long useful life
- High ripple current capability

Construction

- Radial leads
- Charge-discharge proof, polar
- Aluminum case with insulating sleeve
- Minus pole marking on the insulating sleeve
- Stand off rubber seal
- Case with safety vent from diameter 6,3 mm

Delivery mode

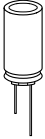
Special terminal configurations and packing:

- Bulk
- Taped, Ammo pack
- Cut
- Kinked
- PAPR (protection against polarity reversal)

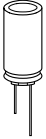
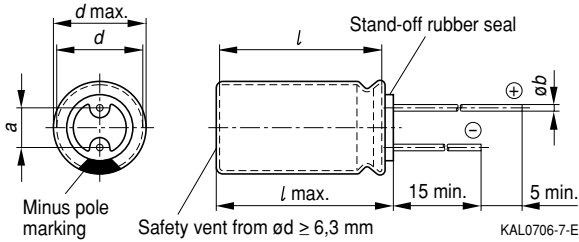
Refer to page 503 for further details and ordering example.



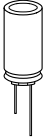
KAL0707-F


B41857 / B43857
High Reliability – 105 °C
Specifications and characteristics in brief

| Type | B41857 | B43857 |
|--------------------------|--|--------------------------|
| Rated voltage U_R | 10 ... 100 VDC | 160 ... 450 VDC |
| Surge voltage U_S | $1,15 \cdot U_R$ | $1,1 \cdot U_R$ |
| Rated capacitance C_R | 0,47 ... 4 700 μ F | 0,47 ... 220 μ F |
| Capacitance tolerance | $\pm 20 \% \triangleq M$ | $\pm 20 \% \triangleq M$ |
| Useful life | | |
| 105 °C; U_R ; I_{-R} | <ul style="list-style-type: none"> > 2 000 h for $d \leq 6,3$ mm > 3 000 h for $d = 8$ mm > 5 000 h for $d \geq 10$ mm | |
| 40 °C; U_R ; I_{-R} | <ul style="list-style-type: none"> > 200 000 h for $d \leq 6,3$ mm > 250 000 h for $d = 8$ mm > 350 000 h for $d \geq 10$ mm | |
| Requirements: | $\Delta C/C \leq \pm 50 \%$ of initial value $\tan \delta \leq 3$ times initial specified limit $I_L \leq$ initial specified limit Failure percentage: $\leq 1 \%$ Failure rate: ≤ 50 fit ($\leq 50 \cdot 10^{-9}/h$) (for definiton "fit", refer to chapter "Quality", page 62) | |
| Voltage endurance test | | |
| 105 °C; U_R | <ul style="list-style-type: none"> 2 000 h for $d \leq 6,3$ mm 3 000 h for $d = 8$ mm 5 000 h for $d \geq 10$ mm | |
| Post test requirements: | $\Delta C/C \leq \pm 30 \%$ of initial value $\tan \delta \leq 2$ times initial specified limit $I_L \leq$ initial specified limit | |
| Vibration resistance | To IEC 60068-2-6, test Fc: displacement amplitude 0,75 mm, frequency range 10 ... 2000 Hz, acceleration max. 10 g, duration 3×2 h | |
| IEC climatic category | To IEC 60068-1: $U_R \leq 250$ VDC: 40/105/56 (– 40 °C/+ 105 °C/56 days damp heat test) $U_R \geq 350$ VDC: 25/105/56 (– 25 °C/+ 105 °C/56 days damp heat test) | |
| Sectional specification | IEC 60384-4 | |


Dimensional drawings

Dimensions and weight

| Dimensions (mm) | | | | Approx. weight g |
|-----------------|----------------------------|-------------|-------------|---------------------|
| $d \times l$ | $d_{\max} \times l_{\max}$ | $a \pm 0,5$ | b | |
| 5 × 11 | 5,5 × 12 | 2,0 | 0,50 ± 0,05 | 0,5 |
| 6,3 × 11 | 6,8 × 12 | 2,5 | 0,50 ± 0,05 | 0,7 |
| 8 × 11 | 8,5 × 12 | 3,5 | 0,60 ± 0,05 | 1,0 |
| 10 × 12,5 | 10,5 × 13,5 | 5,0 | 0,60 ± 0,05 | 1,6 |
| 10 × 16 | 10,5 × 17 | 5,0 | 0,60 ± 0,05 | 1,9 |
| 10 × 20 | 10,5 × 22 | 5,0 | 0,60 ± 0,05 | 2,6 |
| 12,5 × 25 | 13 × 27 | 5,0 | 0,60 ± 0,05 | 4,5 |
| 16 × 20 | 16,5 × 22 | 7,5 | 0,80 ± 0,05 | 5,5 |
| 16 × 25 | 16,5 × 27 | 7,5 | 0,80 ± 0,05 | 7,5 |
| 16 × 31,5 | 16,5 × 33,5 | 7,5 | 0,80 ± 0,05 | 7,8 |
| 18 × 31,5 | 18,5 × 32,5 | 7,5 | 0,80 ± 0,1 | 11 |
| 18 × 35 | 18,5 × 36 | 7,5 | 0,80 ± 0,1 | 13 |
| 18 × 40 | 18,5 × 41 | 7,5 | 0,80 ± 0,1 | 16 |



B41857 / B43857

High Reliability – 105 °C

Overview of available types

B41857

| U_R (VDC) | 10 | 16 | 25 | 35 | 50 | 63 | 100 |
|-------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| C_R (μF) | Case dimensions $d \times l$ (mm) | | | | | | |
| 0,47 | | | | | 5 × 11 | | 5 × 11 |
| 1 | | | | | 5 × 11 | | 5 × 11 |
| 2,2 | | | | | 5 × 11 | | 5 × 11 |
| 3,3 | | | | | 5 × 11 | | 5 × 11 |
| 4,7 | | | | | 5 × 11 | | 5 × 11 |
| 10 | | | | | 5 × 11 | 6,3 × 11 | 8 × 11 |
| 22 | | | | | 6,3 × 11 | 6,3 × 11 | 10 × 12,5 |
| 33 | | | | 5 × 11 | 6,3 × 11 | 8 × 11 | 10 × 16 |
| 47 | | | 5 × 11 | 6,3 × 11 | 8 × 11 | 8 × 11 | 10 × 20 |
| 100 | 5 × 11 | 6,3 × 11 | 6,3 × 11 | 8 × 11 | 10 × 12,5 | 10 × 12,5 | 12,5 × 25 |
| 220 | 6,3 × 11 | 8 × 11 | 10 × 12,5 | 10 × 12,5 | 10 × 20 | 10 × 20 | 16 × 25 |
| 330 | 8 × 11 | 10 × 12,5 | 10 × 12,5 | 10 × 16 | 10 × 20 | 12,5 × 25 | 16 × 31,5 |
| 470 | 10 × 12,5 | 10 × 16 | 10 × 20 | 10 × 20 | 12,5 × 25 | 16 × 20 | 16 × 31,5 |
| 1 000 | 10 × 16 | 10 × 20 | 12,5 × 25 | 16 × 20 | 16 × 31,5 | 18 × 31,5 | |
| 2 200 | 12,5 × 25 | 16 × 20 | 16 × 25 | 16 × 31,5 | 18 × 40 | | |
| 3 300 | 16 × 20 | 16 × 25 | 16 × 31,5 | 18 × 35 | | | |
| 4 700 | 16 × 25 | 16 × 31,5 | 18 × 35 | | | | |

B43857

| U_R (VDC) | 160 | 200 | 250 | 350 | 450 |
|-------------|-----------------------------------|-----------|-----------|-----------|-----------|
| C_R (μF) | Case dimensions $d \times l$ (mm) | | | | |
| 0,47 | 6,3 × 11 | 6,3 × 11 | 6,3 × 11 | 8 × 11 | |
| 1 | 6,3 × 11 | 6,3 × 11 | 8 × 11 | 8 × 11 | 10 × 12,5 |
| 2,2 | 8 × 11 | 8 × 11 | 8 × 11 | 10 × 12,5 | 10 × 16 |
| 3,3 | 10 × 12,5 | 10 × 12,5 | 10 × 16 | 10 × 16 | 10 × 20 |
| 4,7 | 10 × 12,5 | 10 × 12,5 | 10 × 16 | 10 × 20 | 12,5 × 25 |
| 10 | 10 × 16 | 10 × 16 | 10 × 20 | 10 × 20 | 16 × 25 |
| 22 | 10 × 20 | 10 × 20 | 16 × 20 | 16 × 25 | 16 × 31,5 |
| 33 | 10 × 20 | 12,5 × 25 | 16 × 25 | 16 × 31,5 | 18 × 35 |
| 47 | 12,5 × 25 | 16 × 20 | 16 × 31,5 | 16 × 31,5 | 18 × 40 |
| 100 | 16 × 25 | 16 × 31,5 | 18 × 35 | 18 × 40 | |
| 220 | 18 × 35 | 18 × 40 | | | |

Other voltage and capacitance ratings are also available upon request.


Technical data and ordering codes

| U_R | C_R | Case dimensions | I_L | $\tan \delta_{\max}$ | ESR_{\max} | $I_{\sim R}$ | Ordering code ¹⁾ |
|-------|-----------------|-----------------|----------------|----------------------|-----------------|------------------|-----------------------------|
| | 120 Hz 20 °C | $d \times l$ | 5 min 20 °C | 120 Hz 20 °C | 120 Hz 20 °C | 120 Hz 105 °C | |
| VDC | μF | mm | μA | | Ω | mA | |

B41857

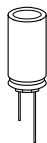
| | | | | | | | |
|-------|---------|-----------|------|------|------|-----------------|-------------------------------|
| 10 | 100 | 5 × 11 | 20 | 0,20 | 3,3 | 98 | B41857A3107M00* |
| | 220 | 6,3 × 11 | 32 | 0,20 | 1,5 | 167 | B41857A3227M00* |
| | 330 | 8 × 11 | 43 | 0,20 | 1,0 | 237 | B41857A3337M00* |
| | 470 | 10 × 12,5 | 57 | 0,20 | 0,71 | 333 | B41857A3477M00* |
| | 1 000 | 10 × 16 | 110 | 0,20 | 0,33 | 532 | B41857A3108M00* |
| | 2 200 | 12,5 × 25 | 230 | 0,22 | 0,17 | 1077 | B41857A3228M00* ²⁾ |
| | 3 300 | 16 × 20 | 340 | 0,24 | 0,12 | 1375 | B41857A3338M00* ²⁾ |
| | 4 700 | 16 × 25 | 480 | 0,26 | 0,09 | 1782 | B41857A3478M00* ²⁾ |
| 16 | 100 | 6,3 × 11 | 26 | 0,17 | 2,8 | 119 | B41857A4107M00* |
| | 220 | 8 × 11 | 45 | 0,17 | 1,3 | 204 | B41857A4227M00* |
| | 330 | 10 × 12,5 | 63 | 0,17 | 0,85 | 294 | B41857A4337M00* |
| | 470 | 10 × 16 | 85 | 0,17 | 0,60 | 385 | B41857A4477M00* |
| | 1 000 | 10 × 20 | 170 | 0,17 | 0,28 | 612 | B41857A4108M00* |
| | 2 200 | 16 × 20 | 362 | 0,19 | 0,14 | 1184 | B41857A4228M00* |
| | 3 300 | 16 × 25 | 538 | 0,21 | 0,11 | 1574 | B41857A4338M00* ²⁾ |
| | 4 700 | 16 × 31,5 | 762 | 0,23 | 0,08 | 2055 | B41857A4478M00* ²⁾ |
| 25 | 47 | 5 × 11 | 22 | 0,15 | 5,3 | 75 | B41857A5476M00* |
| | 100 | 6,3 × 11 | 35 | 0,15 | 2,5 | 126 | B41857A5107M00* |
| | 220 | 10 × 12,5 | 65 | 0,15 | 1,1 | 255 | B41857A5227M00* |
| | 330 | 10 × 12,5 | 93 | 0,15 | 0,75 | 312 | B41857A5337M00* |
| | 470 | 10 × 20 | 128 | 0,15 | 0,53 | 445 | B41857A5477M00* |
| | 1 000 | 12,5 × 25 | 260 | 0,15 | 0,25 | 812 | B41857A5108M00* |
| | 2 200 | 16 × 25 | 560 | 0,17 | 0,13 | 1363 | B41857A5228M00* |
| | 3 300 | 16 × 31,5 | 835 | 0,19 | 0,10 | 1814 | B41857A5338M00* |
| 4 700 | 18 × 35 | 1185 | 0,21 | 0,07 | 2440 | B41857A5478M00* | |

Preferred types

1) * = "0" for bulk version.

For taping versions, other lead configurations and packing information see page 503.

2) Type available upon request

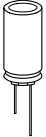

B41857 / B43857
High Reliability – 105 °C
Technical data and ordering codes

| U_R | C_R 120 Hz 20 °C VDC μF | Case dimensions $d \times l$ mm | I_L 5 min 20 °C μA | $\tan \delta_{\max}$ 120 Hz 20 °C | ESR_{\max} 120 Hz 20 °C Ω | $I_{\sim R}$ 120 Hz 105 °C mA | Ordering code ¹⁾ |
|-------|--|--|--|---|---|--|-----------------------------|
| 35 | 33 | 5 × 11 | 22 | 0,12 | 6,0 | 67 | B41857A7336M00* |
| | 47 | 6,3 × 11 | 26 | 0,12 | 4,2 | 92 | B41857A7476M00* |
| | 100 | 8 × 11 | 45 | 0,12 | 2,0 | 156 | B41857A7107M00* |
| | 220 | 10 × 12,5 | 87 | 0,12 | 0,90 | 273 | B41857A7227M00* |
| | 330 | 10 × 16 | 126 | 0,12 | 0,60 | 366 | B41857A7337M00* |
| | 470 | 10 × 20 | 175 | 0,12 | 0,42 | 476 | B41857A7477M00* |
| | 1 000 | 16 × 20 | 360 | 0,12 | 0,20 | 905 | B41857A7108M00* |
| | 2 200 | 16 × 31,5 | 780 | 0,14 | 0,11 | 1584 | B41857A7228M00* |
| | 3 300 | 18 × 35 | 1165 | 0,16 | 0,08 | 2185 | B41857A7338M00* |
| | 50 | 0,47 | 5 × 11 | 10 | 0,10 | 353 | 8,0 |
| 1,0 | | 5 × 11 | 11 | 0,10 | 166 | 12 | B41857A6105M00* |
| 2,2 | | 5 × 11 | 11 | 0,10 | 75 | 17 | B41857A6225M00* |
| 3,3 | | 5 × 11 | 12 | 0,10 | 50 | 21 | B41857A6335M00* |
| 4,7 | | 5 × 11 | 12 | 0,10 | 35 | 25 | B41857A6475M00* |
| 10 | | 5 × 11 | 15 | 0,10 | 17 | 37 | B41857A6106M00* |
| 22 | | 6,3 × 11 | 21 | 0,10 | 7,5 | 63 | B41857A6226M00* |
| 33 | | 6,3 × 11 | 27 | 0,10 | 5,0 | 77 | B41857A6336M00* |
| 47 | | 8 × 11 | 34 | 0,10 | 3,5 | 107 | B41857A6476M00* |
| 100 | | 10 × 12,5 | 60 | 0,10 | 1,7 | 184 | B41857A6107M00* |
| 220 | | 10 × 20 | 120 | 0,10 | 0,75 | 326 | B41857A6227M00* |
| 330 | | 10 × 20 | 175 | 0,10 | 0,50 | 399 | B41857A6337M00* |
| 470 | | 12,5 × 25 | 245 | 0,10 | 0,35 | 595 | B41857A6477M00* |
| 1 000 | | 16 × 31,5 | 510 | 0,10 | 0,17 | 1068 | B41857A6108M00* |
| 2 200 | | 18 × 40 | 1110 | 0,12 | 0,09 | 1883 | B41857A6228M00* |

Preferred types

1) * = "0" for bulk version.

For taping versions, other lead configurations and packing information see page 503.

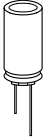

Technical data and ordering codes

| U_R | C_R 120 Hz 20 °C μF | Case dimensions $d \times l$ mm | I_L 5 min 20 °C μA | $\tan \delta_{\max}$ 120 Hz 20 °C | ESR_{\max} 120 Hz 20 °C Ω | $I_{\sim R}$ 120 Hz 105 °C mA | Ordering code ¹⁾ |
|-------|---|--|--|---|---|--|-----------------------------|
| 63 | 10 | 6,3 × 11 | 16 | 0,10 | 17 | 44 | B41857A8106M00* |
| | 22 | 6,3 × 11 | 24 | 0,10 | 7,5 | 65 | B41857A8226M00* |
| | 33 | 8 × 11 | 31 | 0,10 | 5,0 | 93 | B41857A8336M00* |
| | 47 | 8 × 11 | 40 | 0,10 | 3,5 | 111 | B41857A8476M00* |
| | 100 | 10 × 12,5 | 73 | 0,10 | 1,7 | 191 | B41857A8107M00* |
| | 220 | 10 × 20 | 149 | 0,10 | 0,75 | 338 | B41857A8227M00* |
| | 330 | 12,5 × 25 | 218 | 0,10 | 0,50 | 517 | B41857A8337M00* |
| | 470 | 16 × 20 | 306 | 0,10 | 0,35 | 644 | B41857A8477M00* |
| | 1 000 | 18 × 31,5 | 640 | 0,10 | 0,17 | 1190 | B41857A8108M00* |
| 100 | 0,47 | 5 × 11 | 10 | 0,08 | 282 | 9,1 | B41857A9474M00* |
| | 1,0 | 5 × 11 | 11 | 0,08 | 133 | 13 | B41857A9105M00* |
| | 2,2 | 5 × 11 | 12 | 0,08 | 60 | 20 | B41857A9225M00* |
| | 3,3 | 5 × 11 | 13 | 0,08 | 40 | 24 | B41857A9335M00* |
| | 4,7 | 5 × 11 | 15 | 0,08 | 28 | 29 | B41857A9475M00* |
| | 10 | 8 × 11 | 20 | 0,08 | 13 | 56 | B41857A9106M00* |
| | 22 | 10 × 12,5 | 32 | 0,08 | 6,0 | 97 | B41857A9226M00* |
| | 33 | 10 × 16 | 43 | 0,08 | 4,0 | 130 | B41857A9336M00* |
| | 47 | 10 × 20 | 57 | 0,08 | 2,8 | 170 | B41857A9476M00* |
| | 100 | 12,5 × 25 | 110 | 0,08 | 1,3 | 310 | B41857A9107M00* |
| | 220 | 16 × 25 | 230 | 0,08 | 0,60 | 520 | B41857A9227M00* |
| | 330 | 16 × 31,5 | 340 | 0,08 | 0,40 | 692 | B41857A9337M00* |
| | 470 | 16 × 31,5 | 480 | 0,08 | 0,28 | 826 | B41857A9477M00* |

Preferred types

1) * = "0" for bulk version.

For taping versions, other lead configurations and packing information see page 503.


B41857 / B43857
High Reliability – 105 °C
Technical data and ordering codes

| U_R | C_R | Case dimensions | I_L | $\tan \delta_{\max}$ | ESR_{\max} | $I_{\sim R}$ | Ordering code ¹⁾ |
|-------|---------------|-----------------|---------------|----------------------|--------------|--------------|-----------------------------|
| | 120 Hz | $d \times l$ | 5 min | 120 Hz | 120 Hz | 120 Hz | |
| VDC | 20 °C | mm | 20 °C | 20 °C | 20 °C | 105 °C | |
| | μF | | μA | | Ω | mA | |

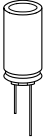
B43857

| | | | | | | | |
|-----|------|-----------|-----------|------|------|-----|-----------------|
| 160 | 0,47 | 6,3 × 11 | 52 | 0,20 | 706 | 10 | B43857A1474M00* |
| | 1,0 | 6,3 × 11 | 55 | 0,20 | 332 | 15 | B43857A1105M00* |
| | 2,2 | 8 × 11 | 61 | 0,20 | 151 | 25 | B43857A1225M00* |
| | 3,3 | 10 × 12,5 | 66 | 0,20 | 101 | 36 | B43857A1335M00* |
| | 4,7 | 10 × 12,5 | 73 | 0,20 | 71 | 43 | B43857A1475M00* |
| | 10 | 10 × 16 | 98 | 0,20 | 33 | 69 | B43857A1106M00* |
| | 22 | 10 × 20 | 156 | 0,20 | 15 | 111 | B43857A1226M00* |
| | 33 | 10 × 20 | 208 | 0,20 | 10 | 136 | B43857A1336M00* |
| | 47 | 12,5 × 25 | 276 | 0,20 | 7,1 | 203 | B43857A1476M00* |
| | 100 | 16 × 25 | 530 | 0,20 | 3,3 | 336 | B43857A1107M00* |
| | 220 | 18 × 35 | 1106 | 0,20 | 1,5 | 609 | B43857A1227M00* |
| 200 | 0,47 | 6,3 × 11 | 53 | 0,20 | 706 | 10 | B43857A2474M00* |
| | 1,0 | 6,3 × 11 | 56 | 0,20 | 332 | 15 | B43857A2105M00* |
| | 2,2 | 8 × 11 | 63 | 0,20 | 151 | 25 | B43857A2225M00* |
| | 3,3 | 10 × 12,5 | 70 | 0,20 | 101 | 36 | B43857A2335M00* |
| | 4,7 | 10 × 12,5 | 78 | 0,20 | 71 | 43 | B43857A2475M00* |
| | 10 | 10 × 16 | 110 | 0,20 | 33 | 69 | B43857A2106M00* |
| | 22 | 10 × 20 | 182 | 0,20 | 15 | 111 | B43857A2226M00* |
| | 33 | 12,5 × 25 | 248 | 0,20 | 10 | 170 | B43857A2336M00* |
| | 47 | 16 × 20 | 332 | 0,20 | 7,1 | 212 | B43857A2476M00* |
| | | 100 | 16 × 31,5 | 650 | 0,20 | 3,3 | 365 |
| | 220 | 18 × 40 | 1370 | 0,20 | 1,5 | 643 | B43857A2227M00* |

Preferred types

1) * = "0" for bulk version.

For taping versions, other lead configurations and packing information see page 503.

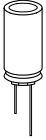


| U_R | C_R 120 Hz 20 °C μF | Case dimensions $d \times l$ mm | I_L 5 min 20 °C μA | $\tan \delta_{\text{max}}$ 120 Hz 20 °C | ESR_{max} 120 Hz 20 °C Ω | I_{-R} 120 Hz 105 °C mA | Ordering code 1) |
|-------|---|--|--|---|---|------------------------------------|------------------|
| 250 | 0,47 | 6,3 × 11 | 54 | 0,20 | 706 | 10 | B43857F2474M00* |
| | 1,0 | 8 × 11 | 58 | 0,20 | 332 | 17 | B43857F2105M00* |
| | 2,2 | 8 × 11 | 67 | 0,20 | 151 | 25 | B43857F2225M00* |
| | 3,3 | 10 × 16 | 75 | 0,20 | 101 | 39 | B43857F2335M00* |
| | 4,7 | 10 × 16 | 85 | 0,20 | 71 | 47 | B43857F2475M00* |
| | 10 | 10 × 20 | 125 | 0,20 | 33 | 75 | B43857F2106M00* |
| | 22 | 16 × 20 | 215 | 0,20 | 15 | 145 | B43857F2226M00* |
| | 33 | 16 × 25 | 298 | 0,20 | 10 | 193 | B43857F2336M00* |
| | 47 | 16 × 31,5 | 403 | 0,20 | 7,1 | 250 | B43857K2476M00* |
| 100 | 18 × 35 | 800 | 0,20 | 3,3 | 411 | B43857F2107M00* | |
| 350 | 0,47 | 8 × 11 | 55 | 0,24 | 847 | 11 | B43857A4474M00* |
| | 1,0 | 8 × 11 | 61 | 0,24 | 398 | 16 | B43857A4105M00* |
| | 2,2 | 10 × 12,5 | 73 | 0,24 | 181 | 28 | B43857A4225M00* |
| | 3,3 | 10 × 16 | 85 | 0,24 | 121 | 38 | B43857A4335M00* |
| | 4,7 | 10 × 20 | 99 | 0,24 | 85 | 49 | B43857A4475M00* |
| | 10 | 10 × 20 | 155 | 0,24 | 40 | 72 | B43857A4106M00* |
| | 22 | 16 × 25 | 281 | 0,24 | 18 | 151 | B43857A4226M00* |
| | 33 | 16 × 31,5 | 397 | 0,24 | 12 | 201 | B43857A4336M00* |
| | 47 | 16 × 31,5 | 544 | 0,24 | 8,5 | 240 | B43857A4476M00* |
| | 100 | 18 × 40 | 1100 | 0,24 | 4,0 | 417 | B43857A4107M00* |
| 450 | 1,0 | 10 × 12,5 | 64 | 0,24 | 398 | 18 | B43857A5105M00* |
| | 2,2 | 10 × 16 | 80 | 0,24 | 181 | 30 | B43857A5225M00* |
| | 3,3 | 10 × 20 | 95 | 0,24 | 121 | 40 | B43857A5335M00* |
| | 4,7 | 12,5 × 25 | 113 | 0,24 | 85 | 60 | B43857A5475M00* |
| | 10 | 16 × 25 | 185 | 0,24 | 40 | 98 | B43857A5106M00* |
| | 22 | 16 × 31,5 | 347 | 0,24 | 18 | 159 | B43857A5226M00* |
| | 33 | 18 × 35 | 496 | 0,24 | 12 | 219 | B43857A5336M00* |
| 47 | 18 × 40 | 685 | 0,24 | 8,5 | 275 | B43857A5476M00* | |

Preferred types

1) * = "0" for bulk version.

For taping versions, other lead configurations and packing information see page 503.

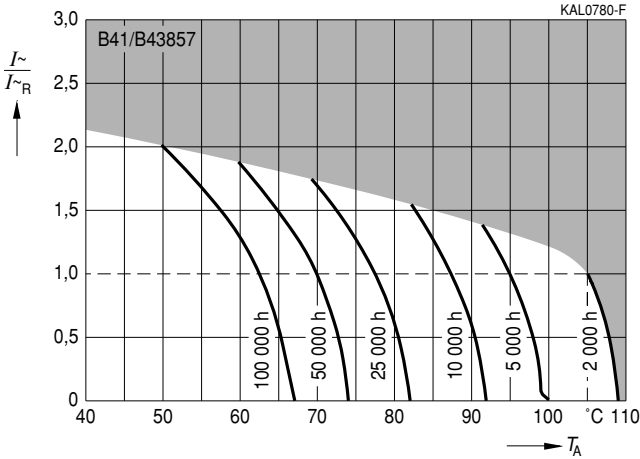


B41857 / B43857

High Reliability – 105 °C

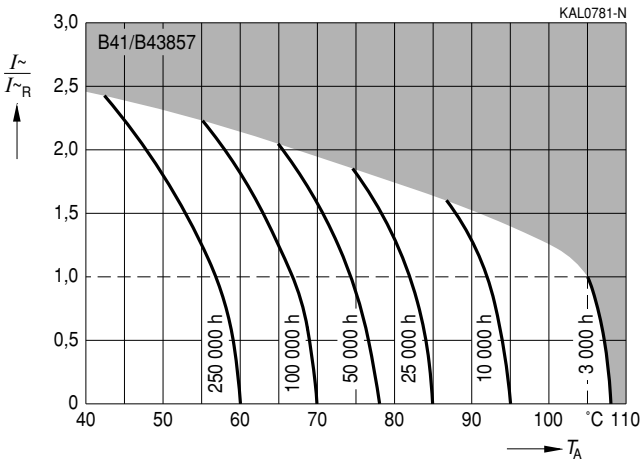
Useful life

depending on ambient temperature T_A under ripple current operating conditions¹⁾
for diameter $\leq 6,3$ mm

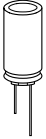


Useful life

depending on ambient temperature T_A under ripple current operating conditions¹⁾
for diameter = 8 mm

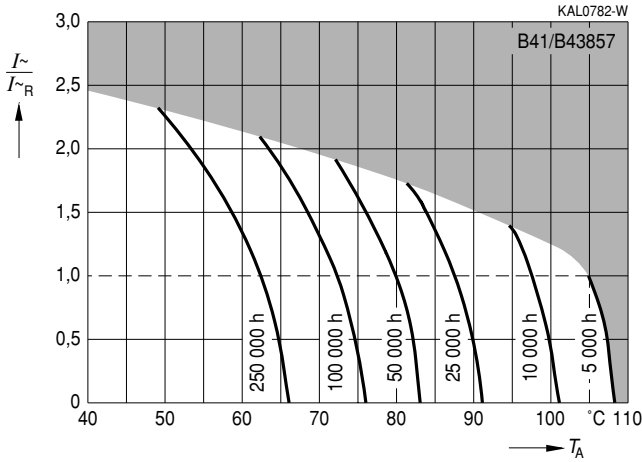


1) Refer to page 40 for an explanation on how to interpret the useful life graphs.

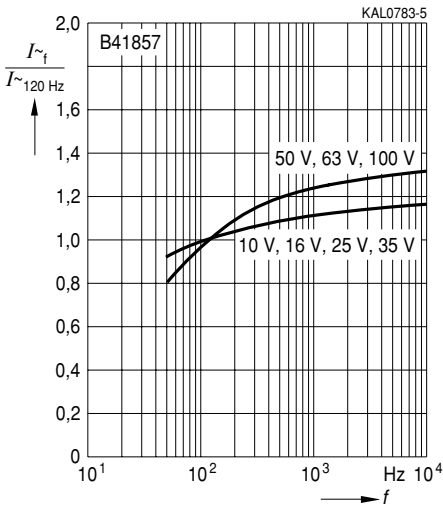


Useful life

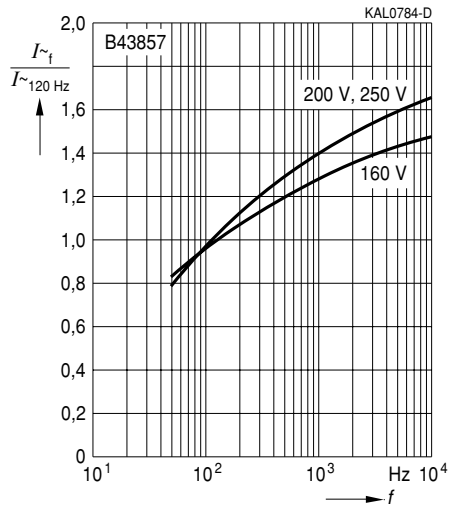
depending on ambient temperature T_A under ripple current operating conditions¹⁾
for diameter ≥ 10 mm



Frequency factor of permissible ripple current I_{\sim} versus frequency f
 $U_R \leq 100$ VDC



Frequency factor of permissible ripple current I_{\sim} versus frequency f
 $U_R \geq 160$ VDC



1) Refer to page 40 for an explanation on how to interpret the useful life graphs.

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