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Series/Type: B(%%&

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
BI FFFŒ		20FHEEGEGG	201HË€JËH€/₩₩₩₩₩	201I Ё €I ЁI F

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

SMD capacitors

Standard series - 85 °C

General-purpose grade capacitors

Applications

General-purpose applications in the entertainment industry

Features

- Miniaturized dimensions
- RoHS compatible
- Load life of 2000 h at 85 °C
- Suitable for reflow soldering, see chapter "SMD capacitors -Mounting instructions"

Construction

- Surface mounting device
- Minus pole marking on the case

Delivery mode

Taped and reeledRefer to chapter "SMD capacitors - Taping and packing" for further details.

Specifications and characteristics in brief

Rated voltage V _R	4 100 V DO)									
Operating temperature range	−40 °C +8	5 °C									
Rated capacitance C _R (20 °C, 120 Hz)	0.1 1500 μ	F									
Capacitance tolerance	$\pm 20\% \triangleq M$										
Load life (85 °C, V _R)	$\begin{array}{llllllllllllllllllllllllllllllllllll$										
Leakage current I _{leak} (20 °C, after 2 minutes)	$I_{leak} \le 0.01 \mu$	$A \cdot \left(\frac{C_R}{\mu F}\right)^{-1}$		or 3 µ				is gro	eater		
Low temperature stability	V _R (V DC)		4	6.3	10	16	25	35	50	63	100
(impedance ratio)	Z (–25 °C)	<Ø8	7	4	3	2	2	2	2	2	2
(120 Hz)	(+20 °C)	≥Ø8	7	5	4	3	2	2	2	2	2
	Z (–40 °C)	<Ø8	15	8	8	4	4	3	3	3	3
	<u>,</u> Z (+20 °C)	≥Ø8	15	10	8	6	4	З	3	3	3
Shelf life	After storage	for 1000 h	n at 8	5 °C,	the	capa	citors	s sha	ll me	et th	е
	requirement of load life test after reforming process. After test: V_R to be applied for 30 minutes, 24 to 48 hours before measurement.										
Frequency multiplier	50 Hz	120 Hz		300	Hz	1 kH	lz	≥10	kHz		
for rated ripple current	0.70	1.00		1.17	7	1.36	6	1.50)		



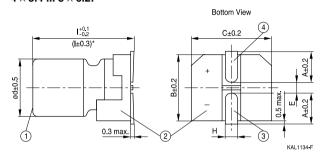






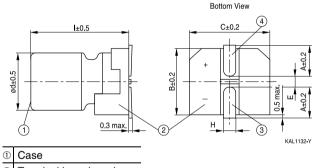
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Dimensional drawings d x I (mm) 4 × 5.4 ... 8 × 6.2:



* Applies to 6.3×5.8 mm, 6.3×7.7 mm and 8×6.2 mm

d x I (mm) 8 × 10 ... 10 × 10:



- 2 3 4 Terminal base board Minus pole
- Plus pole

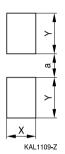
Case dimensions $d \times I (mm)$	4×5.4	5×5.4	6.3×5.4	6.3×5.8	6.3×7.7	8×6.2	8×10	10×10
А	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2
В	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
С	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
E	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5
Н	0.5 0.8 0.8 1.1							





Standard series - 85 °C

Layout recommendation



d × l (mm)	Х	Y	а
4.0× 5.4	1.6	2.6	1.0
5.0× 5.4	1.6	3.0	1.4
6.3× 5.4	1.6	3.5	2.1
6.3× 5.8	1.6	3.5	2.1
6.3× 7.7	1.6	3.5	2.1
8.0× 6.2	2.5	4.0	2.1
8.0 × 10.0	2.5	3.5	3.0
10.0 imes 10.0	2.5	4.0	4.0



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Overview of available types

V _R (V DC)	4.0	6.3	10	16	25
	Case dimension	ons d × I (mm)		<u>.</u>	
C _R (μF)					
4.7					4 × 5.4
10				4 × 5.4	4 × 5.4
					5 × 5.4
22		4 × 5.4	4 × 5.4	4 × 5.4	5 × 5.4
			5 × 5.4	5 × 5.4	6.3×5.4
33	4 × 5.4	4 × 5.4	4 × 5.4	5 × 5.4	5 × 5.4
		5 × 5.4	5 × 5.4	6.3× 5.4	6.3×5.4
47	4 × 5.4	4 × 5.4	5 × 5.4	5 × 5.4	6.3× 5.4
		5 × 5.4	6.3× 5.4	6.3× 5.4	6.3×5.8
56	5 × 5.4	5 × 5.4	5 × 5.4	5 × 5.4	6.3× 7.7
		6.3× 5.4	6.3× 5.4	6.3× 5.4	
100	5 × 5.4	5 × 5.4	5 × 5.4	6.3× 5.4	6.3× 7.7
		6.3× 5.4	6.3× 5.4	6.3× 5.8	8 × 6.2
			6.3× 5.8	8 × 6.2	8 × 10
150	6.3× 5.4	6.3× 5.4	6.3× 7.7	6.3× 7.7	8 × 10
220	6.3× 5.4	6.3× 5.4	6.3× 7.7	6.3× 7.7	8 × 10
	6.3× 5.8	6.3× 5.8	8 × 6.2	8 ×10	10 × 10
		8 × 6.2			
330	6.3× 5.4	6.3× 7.7	8 × 10	8 × 10	8 × 10
	6.3× 7.7	8 × 6.2		10 × 10	10 × 10
470	6.3 × 7.7	8 × 10	8 × 10	8 × 10	10 × 10
			10 × 10	10 × 10	
680	8 × 10	8 × 10	10 × 10	10 × 10	
1000	8 × 10	8 × 10	10 × 10		
		10 × 10			
1500	10 × 10	10 × 10			





Standard series - 85 °C

V _R (V DC)	35	50	63	100
	Case dimensions	d × l (mm)	•	
C _R (μF)				
0.10		4 × 5.4	4 × 5.4	
0.22		4 × 5.4	4 × 5.4	
0.33		4 × 5.4	4 × 5.4	
0.47		4 × 5.4	4 × 5.4	
1.0		4 × 5.4	4 × 5.4	
2.2		4 × 5.4	4 × 5.4	
3.3		4 × 5.4	4 × 5.4	$\begin{array}{c} 6.3\times \ 7.7\\ 8 \ \times \ 6.2\end{array}$
4.7	4 × 5.4	$\begin{array}{rrrr} 4 & \times & 5.4 \\ 5 & \times & 5.4 \end{array}$	4 × 5.4	6.3 × 7.7 8 × 10
10	$\begin{array}{ccc} 4 & \times & 5.4 \\ 5 & \times & 5.4 \end{array}$	5×5.4 6.3×5.4	$\begin{array}{c} 6.3\times 5.4\\ 6.3\times 5.8\end{array}$	6.3 × 7.7 8 × 10
22	5 × 5.4	6.3 × 5.4	6.3 × 7.7	8 × 10
	6.3 × 5.4	$\begin{array}{c} 6.3 \times 5.8 \\ 8 \times 6.2 \end{array}$	8 × 10	10 × 10
33	6.3×5.4 6.3×5.8 8×6.2	6.3×7.7 8 × 6.2 8 × 10	8 × 10	10 × 10
47	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6.3 × 7.7 8 × 10 10 × 10	8 × 10	
56	6.3× 7.7	8 × 10	8 × 10	
100	6.3 × 7.7 8 × 10 10 × 10	8 × 10 10 × 10	10 × 10	
150	8 × 10	10 × 10		
220	8 × 10 10 × 10	10 × 10		
330	10 × 10			

Other voltage and capacitance ratings are available upon request.



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Standard series – 85 $^\circ\text{C}$



V _R	C _B	Case dimensions	tan δ_{max}	I _{AC,R}	Ordering code
	120 Hz, 20 °C	d×I	120 Hz, 20 °C	120 Hz, 85 °C	
	μF	mm		mA	
4	33	4 × 5.4	0.35	28	B41112A1336M000
	47	4 × 5.4	0.35	34	B41112A1476M000
	56	5 × 5.4	0.35	45	B41112A1566M000
	100	5 × 5.4	0.35	61	B41112A1107M000
	150	6.3× 5.4	0.35	79	B41112A1157M000
	220	6.3× 5.4	0.35	96	B41112A1227M000
	220	6.3× 5.8	0.35	99	B41112B1227M000
	330	6.3× 5.4	0.50	98	B41112A1337M000
	330	6.3 × 7.7	0.35	140	B41112B1337M000
	470	6.3× 7.7	0.35	200	B41112A1477M000
	680	8 × 10	0.35	284	B41112A1687M000
	1000	8 × 10	0.35	344	B41112A1108M000
	1500	10 × 10	0.35	347	B41112A1158M000
6.3	22	4 × 5.4	0.26	29	B41112A2226M000
	33	4 × 5.4	0.35	34	B41112A2336M000
	33	5 × 5.4	0.26	37	B41112B2336M000
	47	4 × 5.4	0.35	40	B41112A2476M000
	47	5 × 5.4	0.26	46	B41112B2476M000
	56	5 × 5.4	0.35	46	B41112A2566M000
	56	6.3× 5.4	0.26	52	B41112B2566M000
	100	5 × 5.4	0.35	47	B41112A2107M000
	100	6.3× 5.4	0.26	71	B41112B2107M000
	150	6.3× 5.4	0.35	72	B41112A2157M000
	220	6.3 × 5.4	0.35	86	B41112A2227M000
	220	6.3 × 5.8	0.35	89	B41112B2227M000
	220	8 × 6.2	0.35	103	B41112C2227M000
	330	6.3 × 7.7	0.26	188	B41112A2337M000
	330	8 × 6.2	0.35	300	B41112B2337M000
	470	8 × 10	0.35	380	B41112A2477M000
	680	8 × 10	0.35	457	B41112A2687M000
	1000	8 × 10	0.35	500	B41112A2108M000
	1000	10 × 10	0.35	700	B41112B2108M000
	1500	10 × 10	0.35	750	B41112A2158M000





Standard series - 85 °C

V _R	C _R	Case dimensions	$\tan \delta_{max}$	I _{AC,R}	Ordering code
	120 Hz, 20 °C	d×l	120 Hz, 20 °C	120 Hz, 85 °C	
	μF	mm		mA	
10	22	4 × 5.4	0.30	30	B41112A3226M000
	22	5 × 5.4	0.20	33	B41112B3226M000
	33	4 × 5.4	0.30	34	B41112A3336M000
	33	5 × 5.4	0.20	43	B41112B3336M000
	47	5 × 5.4	0.30	47	B41112A3476M000
	47	6.3× 5.4	0.26	52	B41112B3476M000
	56	5 × 5.4	0.30	50	B41112A3566M000
	56	6.3× 5.4	0.26	57	B41112B3566M000
	100	5 × 5.4	0.30	54	B41112A3107M000
	100	6.3× 5.4	0.26	76	B41112B3107M000
	100	6.3× 5.8	0.26	78	B41112C3107M000
	150	6.3× 7.7	0.26	142	B41112A3157M000
	220	6.3× 7.7	0.20	173	B41112A3227M000
	220	8 × 6.2	0.26	250	B41112B3227M000
	330	8 × 10	0.26	390	B41112A3337M000
	470	8 × 10	0.26	390	B41112A3477M000
	470	10 × 10	0.26	400	B41112B3477M000
	680	10 × 10	0.26	481	B41112A3687M000
	1000	10 × 10	0.26	580	B41112A3108M000
16	10	4 × 5.4	0.16	28	B41112A4106M000
	22	4 × 5.4	0.26	30	B41112A4226M000
	22	5 × 5.4	0.16	39	B41112B4226M000
	33	5 × 5.4	0.26	44	B41112A4336M000
	33	6.3× 5.4	0.16	49	B41112B4336M000
	47	5 × 5.4	0.26	52	B41112A4476M000
	47	6.3× 5.4	0.16	70	B41112B4476M000
	56	5 × 5.4	0.26	57	B41112A4566M000
	56	6.3× 5.4	0.20	63	B41112B4566M000
	100	6.3× 5.4	0.26	86	B41112A4107M000
	100	6.3× 5.8	0.26	89	B41112B4107M000
	100	8 × 6.2	0.20	200	B41112C4107M000
	150	6.3× 7.7	0.26	135	B41112A4157M000
	220	6.3× 7.7	0.26	162	B41112B4227M000
	220	8 × 10	0.20	280	B41112A4227M000
	330	8 × 10	0.20	320	B41112A4337M000
	330	10 × 10	0.20	380	B41112B4337M000
	470	8 × 10	0.20	350	B41112A4477M000
	470	10 × 10	0.20	420	B41112B4477M000
	680	10 × 10	0.20	505	B41112A4687M000



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Standard series – 85 $^\circ\text{C}$



V _B	C _B	Case dimensions	$\tan \delta_{max}$	I _{AC.B}	Ordering code
	120 Hz, 20 °C	d×I	120 Hz, 20 °C	120 Hz, 85 °C	Ŭ
	μF	mm	,	mA	
25	4.7	4 × 5.4	0.14	22	B41112A5475M000
	10	4 × 5.4	0.20	24	B41112A5106M000
	10	5 × 5.4	0.14	28	B41112B5106M000
	22	5 × 5.4	0.20	38	B41112A5226M000
	22	6.3× 5.4	0.14	55	B41112B5226M000
	33	5 × 5.4	0.20	46	B41112A5336M000
	33	6.3× 5.4	0.14	65	B41112B5336M000
	47	6.3× 5.4	0.20	70	B41112A5476M000
	47	6.3× 5.8	0.20	72	B41112B5476M000
	56	6.3 × 7.7	0.20	107	B41112A5566M000
	100	6.3 × 7.7	0.14	143	B41112B5107M000
	100	8 × 6.2	0.16	145	B41112C5107M000
	100	8 × 10	0.16	180	B41112A5107M000
	150	8 × 10	0.16	192	B41112A5157M000
	220	8 × 10	0.16	232	B41112A5227M000
	220	10 × 10	0.16	310	B41112B5227M000
	330	8 × 10	0.16	284	B41112A5337M000
	330	10 × 10	0.16	340	B41112B5337M000
	470	10 × 10	0.16	393	B41112A5477M000
35	4.7	4 × 5.4	0.12	22	B41112A7475M000
	10	4 × 5.4	0.16	24	B41112A7106M000
	10	5 × 5.4	0.12	30	B41112B7106M000
	22	5 × 5.4	0.16	39	B41112A7226M000
	22	6.3× 5.4	0.12	60	B41112B7226M000
	33	6.3× 5.4	0.16	60	B41112A7336M000
	33	6.3× 5.8	0.16	61	B41112B7336M000
	33	8 × 6.2	0.14	130	B41112C7336M000
	47	6.3× 5.4	0.16	70	B41112A7476M000
	47	6.3× 7.7	0.16	77	B41112B7476M000
	47	8 × 6.2	0.14	165	B41112C7476M000
	56	6.3×7.7	0.16	98	B41112A7566M000
	100	6.3× 7.7	0.16	132	B41112C7107M000
	100	8 × 10	0.14	175	B41112A7107M000
	100	10 × 10	0.14	210	B41112B7107M000
	150	8 × 10	0.14	214	B41112A7157M000
	220	8 × 10	0.14	246	B41112A7227M000
	220	10 × 10	0.14	310	B41112B7227M000
	330	10 × 10	0.14	350	B41112A7337M000





Standard series - 85 °C

V _R	C _R	Case dimensions	$\tan \delta_{max}$	I _{AC,R}	Ordering code
	120 Hz, 20 °C	d×I	120 Hz, 20 °C	120 Hz, 85 °C	
	μF	mm		mA	
50	0.1	4 × 5.4	0.12	1	B41112A6104M000
	0.22	4 × 5.4	0.12	2	B41112A6224M000
	0.33	4 × 5.4	0.12	3	B41112A6334M000
	0.47	4 × 5.4	0.12	5	B41112A6474M000
	1.0	4 × 5.4	0.12	10	B41112A6105M000
	2.2	4 × 5.4	0.12	16	B41112A6225M000
	3.3	4 × 5.4	0.12	17	B41112A6335M000
	4.7	4 × 5.4	0.14	18	B41112A6475M000
	4.7	5 × 5.4	0.12	23	B41112B6475M000
	10.0	5 × 5.4	0.14	30	B41112A6106M000
	10.0	6.3× 5.4	0.12	35	B41112B6106M000
	22	6.3× 5.4	0.14	43	B41112A6226M000
	22	6.3× 5.8	0.14	44	B41112B6226M000
	22	8 × 6.2	0.12	120	B41112C6226M000
	33	6.3× 7.7	0.14	94	B41112B6336M000
	33	8 × 6.2	0.12	95	B41112C6336M000
	33	8 × 10	0.12	110	B41112A6336M000
	47	6.3× 7.7	0.14	105	B41112C6476M000
	47	8 × 10	0.12	132	B41112A6476M000
	47	10 × 10	0.12	146	B41112B6476M000
	56	8 × 10	0.12	150	B41112A6566M000
	100	8 × 10	0.12	200	B41112A6107M000
	100	10 × 10	0.12	250	B41112B6107M000
	150	10 × 10	0.12	247	B41112A6157M000
	220	10 × 10	0.12	300	B41112A6227M000



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Standard series – 85 $^\circ\text{C}$



V _R	C _R	Case dimensions	$\tan \delta_{max}$	I _{AC,R}	Ordering code
	120 Hz, 20 °C	d×l	120 Hz, 20 °C	120 Hz, 85 °C	
	μF	mm		mA	
63	0.1	4 × 5.4	0.18	1	B41112A8104M000
	0.22	4 × 5.4	0.18	2.3	B41112A8224M000
	0.33	4 × 5.4	0.18	3.5	B41112A8334M000
	0.47	4 × 5.4	0.18	5	B41112A8474M000
	1.0	4 × 5.4	0.18	10	B41112A8105M000
	2.2	4 × 5.4	0.18	15	B41112A8225M000
	3.3	4 × 5.4	0.18	20	B41112A8335M000
	4.7	4 × 5.4	0.18	23	B41112A8475M000
	10	6.3× 5.4	0.18	34	B41112A8106M000
	10	6.3× 5.8	0.18	35	B41112B8106M000
	22	6.3 × 7.7	0.18	70	B41112B8226M000
	22	8 ×10	0.18	78	B41112A8226M000
	33	8 × 10	0.18	160	B41112A8336M000
	47	8 ×10	0.18	170	B41112A8476M000
	56	8 × 10	0.18	230	B41112A8566M000
	100	10 × 10	0.18	280	B41112A8107M000
100	3.3	6.3 × 7.7	0.18	44	B41112A9335M000
	3.3	8 × 6.2	0.18	50	B41112B9335M000
	4.7	6.3× 7.7	0.18	62	B41112A9475M000
	4.7	8 × 10	0.18	80	B41112B9475M000
	10	6.3× 7.7	0.18	66	B41112B9106M000
	10	8 × 10	0.18	85	B41112A9106M000
	22	8 × 10	0.18	90	B41112A9226M000
	22	10 × 10	0.18	120	B41112B9226M000
	33	10 × 10	0.18	190	B41112A9336M000





Mounting instructions

Soldering

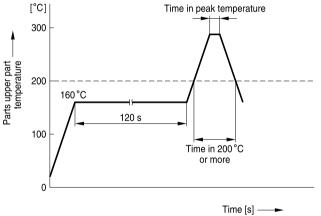
Recommended conditions

For reflow, use thermal conduction systems such as infrared radiation (IR) or hot blast. Vapor heat transfer systems (VPS) are not recommended.

- Observe proper soldering conditions (temperature, time, etc.).
- Do not exceed the specified limits.

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- Temperature measuring method: Measure temperature in assuming quantitative production, by sticking the thermo-couple to the capacitor upper part with epoxy adhesives.
- Consult us for additional reflow restrictions.



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Lead-free reflow

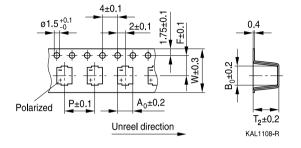
d (mm)	4 6.3	8 10
Peak temperature	250 °C	235 °C
Time in peak temperature	5 s	5 s
Time in 200 °C or more	60 s	60 s
Time of reflow	1 time	1 time



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Taping and packing

Taping of SMD capacitors



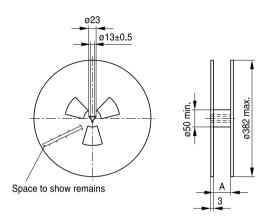
Case dimensions $d \times I (mm)$	4×5.4	4×5.8	5×5.4	5×5.8	6.3×5.4
W	12.0	12.0	12.0	12.0	16.0
Р	8.0	8.0	12.0	12.0	12.0
F	5.5	5.5	5.5	5.5	7.5
A ₀	5.0	5.0	6.0	6.0	7.0
B ₀	5.0	5.0	6.0	6.0	7.0
T ₂	5.8	6.3	5.8	6.3	5.8

Case dimensions $d \times I (mm)$	6.3×5.8	6.3×7.7	8×6.2	8×10	10 × 10
W	16.0	16.0	16.0	24.0	24.0
Р	12.0	12.0	12.0	16.0	16.0
F	7.5	7.5	7.5	11.5	11.5
A ₀	7.0	7.0	8.7	8.7	10.7
B ₀	7.0	7.0	8.7	8.7	10.7
T ₂	6.3	8.2	6.8	11.0	11.0





Reel packing



KAL1110-3

Capacitor dimensions	Quantity per reel
$d \times I (mm)$	pcs.
4 × I	2000 pcs.
5 imes I, $6.3 imes$ I, $8 imes 6.2$	1000 pcs.
8 × 10, 10 × l	500 pcs.

d × l (mm)	$4 \times I, 5 \times I$	6.3 imes I, $8 imes 6.2$	$8 \times 10, 10 \times I$
A	14	18	26





Standard series – 85 °C

Cautions and warnings

General

- Aluminum electrolytic capacitors have a bi-polar structure. This is marked on the body of the capacitor. A capacitor must not be mounted with reversed polarity. The application of an AC or reverse voltage may cause a short circuit or damage the capacitor. Bi-polar capacitors must not be used in AC applications, where the polarity may be reversed in the circuits or is unknown.
- 2 The DC voltage applied to the capacitor terminal must not exceed its rated operating voltage, as this will result in a rapid increase of the leakage current and may damage the capacitor. It is recommended to operate the capacitor at 70 80% of its rated voltage to optimize its service life.
- 3 The ripple current applied to the capacitor must be within the permitted range. An excessive ripple current leads to impaired electrical properties and may damage the capacitor. Note that the sum of the peak values of the ripple voltage and the DC operating voltage must not exceed the rated DC voltage.
- 4 Capacitors must be used within their permitted range of operating temperature. Operation at room temperature optimizes their service life.
- 5 Capacitors with case diameter ≥8 mm are equipped with a safety vent. In capacitors fitted with a lead or soldering lug, the safety vent is usually located at the base of the case. It needs sufficient space around it to operate optimally. The following dimensions are recommended: for case diameter d = 8 to 16 mm, more than 2 mm; for d = 18 to 35 mm, more than 3 mm; and for d = 42 mm or more, more than 5 mm.
- 6 Capacitors should not be mounted with the safety vent face down on the board. Do not locate any wire or copper trace near the safety vent. Do not reverse the voltage, as this may result in excess pressure and the leakage of electrolyte.
- 7 Gas is released through the safety vent when the pressure inside the capacitor is too high. A gaseous liquid around the safety vent does not indicate a leakage of electrolyte.
- 8 The capacitor should be stored under conditions of normal temperature and in a non-acid, non-alkali environment of normal humidity. Exposure to high temperatures, for example under direct sunlight, will reduce its operating life. If the capacitor is stored in an environment containing acids or alkalis, the solderability of the leads may be affected.
- 9 containing acids or alkalis, the solderability of the leads may be affected. The leakage current of an aluminum electrolytic capacitor may increase after a long period of storage. After such storage, the capacitor must be aged by applying the rated operating voltage for 6 – 8 hours before use.
- 10 Manual soldering:
 - a Soldering must be performed within the specified conditions. Bit temperature: 350 °C; application time of soldering iron: 3 seconds.
 - b Ensure that the soldering iron does not touch any part of the capacitor body.



- 11 Do not apply excessive force to the leads and terminals. Do not move the capacitor after soldering it onto the PC board and do not carry the PC board by gripping the capacitor. Observe the following rules to prevent undue stress to the capacitor:
 - a Do not tilt or bend the capacitor after soldering.
 - b Ensure that the terminal spacing matches the corresponding hole spacing on the PC board.
- 12 The aluminum case is not insulated from the cathode. Do not place a conductor under the aluminum capacitors on the PC board as this may cause a short circuit. The case and top of capacitors used in switched mode power supplies have a high-voltage-resistant heat shrink sleeve to ensure safe usage.
- 13 The leads of capacitors with a case diameter exceeding 14 mm cannot be used for fixing.

The following applies to all products named in this publication:

- 1. Some parts of this publication contain statements about the suitability of our products for certain areas of application. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application. As a rule, EPCOS is either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether an EPCOS product with the properties described in the product specification is suitable for use in a particular customer application.
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