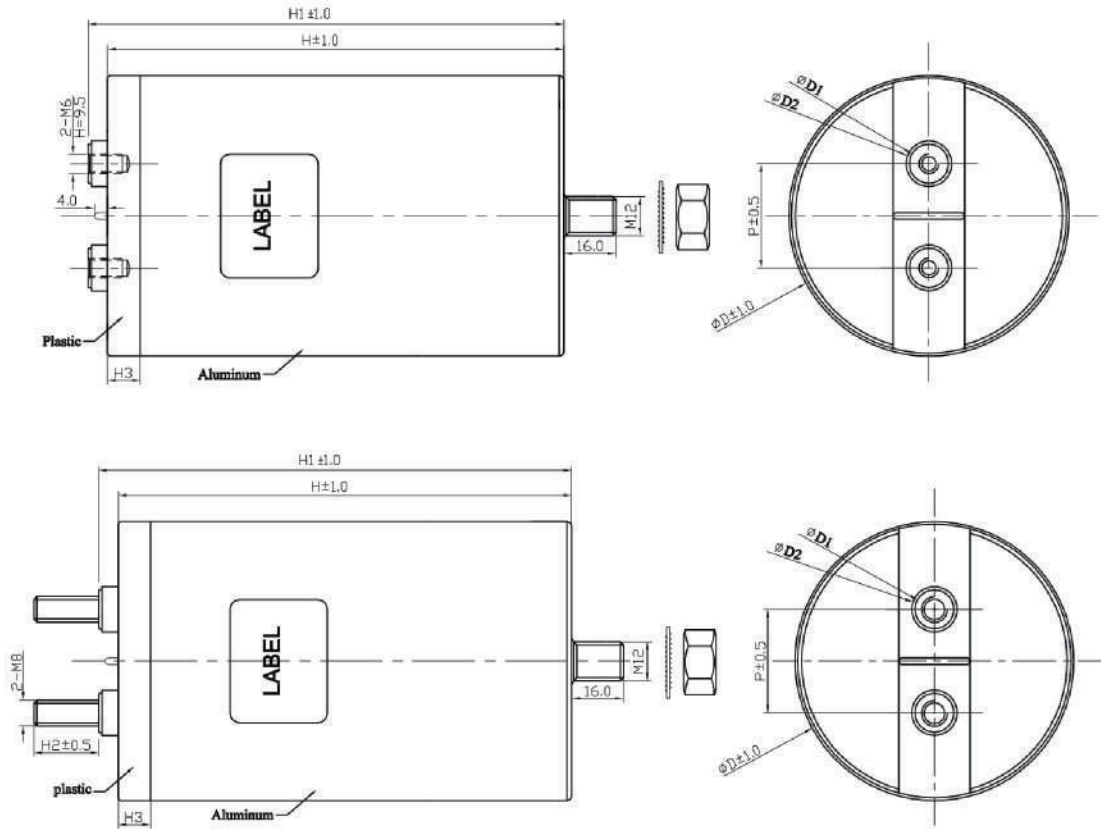


DC-Link Capacitor(Dry-Type, Aluminum case Miniature version)

■ Outline Drawing



Additional remark of dimensions

D=76mm	P=32mm; D1=12mm; D2=14mm; H3=10mm	
D=86mm	P=32mm; D1=12mm; D2=14mm; H3=10mm or 45mm	
	P=45mm;	Female terminals: D1=14mm; D2=16mm; H3=10mm or 45mm Male terminals: D1=16mm; D2=20mm; H3=10mm or 45mm
D=100mm	P=50mm; D1=14mm; D2=16mm;	H ≤ 100mm, H3=10mm
		H > 100mm, H3=45mm
D=116mm	P=50mm; D1=14mm; D2=16mm;	H ≤ 100mm, H3=10mm
		H > 100mm, H3=45mm
H3 can be changed in pursuance of customer's request. (H3=45mm when rated voltage > 1 500Vdc)		

■ Safety Approvals

	TUV Rheinland	EN 61071:2007, EN 61881-1:2011, 600Vdc ~ 4 000Vdc, 5µF~5600µF, - 40°C/85°C, (Certificate No.): R 50266039
	UL	UL 810 (construction only), max.5000Vdc, 90°C File No.: E256238 CCN: CZDS2



C3B

■ Features

- Used in DC-Link circuits, can replace electrolytic capacitors
- Low ESR, high ripple current handling capabilities
- Low L_s
- Self-healing property
- Aluminum case, filled with resin

■ Applications

- Used in inverters of solar power

■ Specifications

Reference Standard	GB/T 17702 (IEC 61071)	
Climatic Category	D≤116mm: 40/85/56	
Operating Temperature Range	D≤116mm: -40°C~ 85°C ($\theta_{hs} \leq 85^\circ\text{C}$)	
Storage temperature range	-40°C~ 85°C	
Voltage Range	600Vdc~ 1 500Vdc	
Capacitance Range	110μF~ 3 400μF	
Capacitance Tolerance	±5%(J), ±10%(K)	
Test Voltage Between Terminals	1.5U _N (10s, 20°C±5°C)	
Test Voltage Between Terminals And Case	U _N <1 500Vdc, 3 000Vac(10s, 50Hz, 20°C±5°C) U _N ≥1 500Vdc, ($\sqrt{2}$ U _N +1 000)Vac(10s, 50Hz, 20°C±5°C)	
tanδ _d	2×10 ⁻⁴	
IR×C _N	≥5 000s (20°C, 500Vdc, 1min)	
Over Voltage	1.1 U _N (30% of on-load-dur.)	
	1.15 U _N (30min/day)	
	1.2 U _N (5min/day)	
	1.3 U _N (1min/day)	
	1.5 U _N (30ms every time, 1000times during the life of the capacitor)	
Expected lifetime	100 000h @ U _N , $\theta_{hs}=70^\circ\text{C}$	
Failure rate	50 FIT	
Max. Altitude	2 000m	
Installation	Position	Any Position
	Terminal form	Male Terminals
		Thread hole type
	Fixed style	Bottom-bolt
Ring-clip in the middle of case		
Max. Torque of Installation	10N·m	
Max. Torque of terminals	M6:5N·m	M8:6N·m

The effect of altitude on convection cooling and external insulation should be taken into consideration, if the altitude exceeds 2 000m.

■ Part number system

The 15 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	3	B												

Digit 1 to 3

Series code

Digit 4 to 5

DC rated voltage

1U=600V 3V=750V 2K=800V 1X=900V 3A=1 000V 1M=1 100V

3L=1 200V 2M=1 300V 3M=1 400V 4M=1 500V

Digit 6 to 8

Rated capacitance value

for example: 127=12×10⁷pF=120μF

Digit 9

Capacitance tolerance

J=±5%, K=±10%

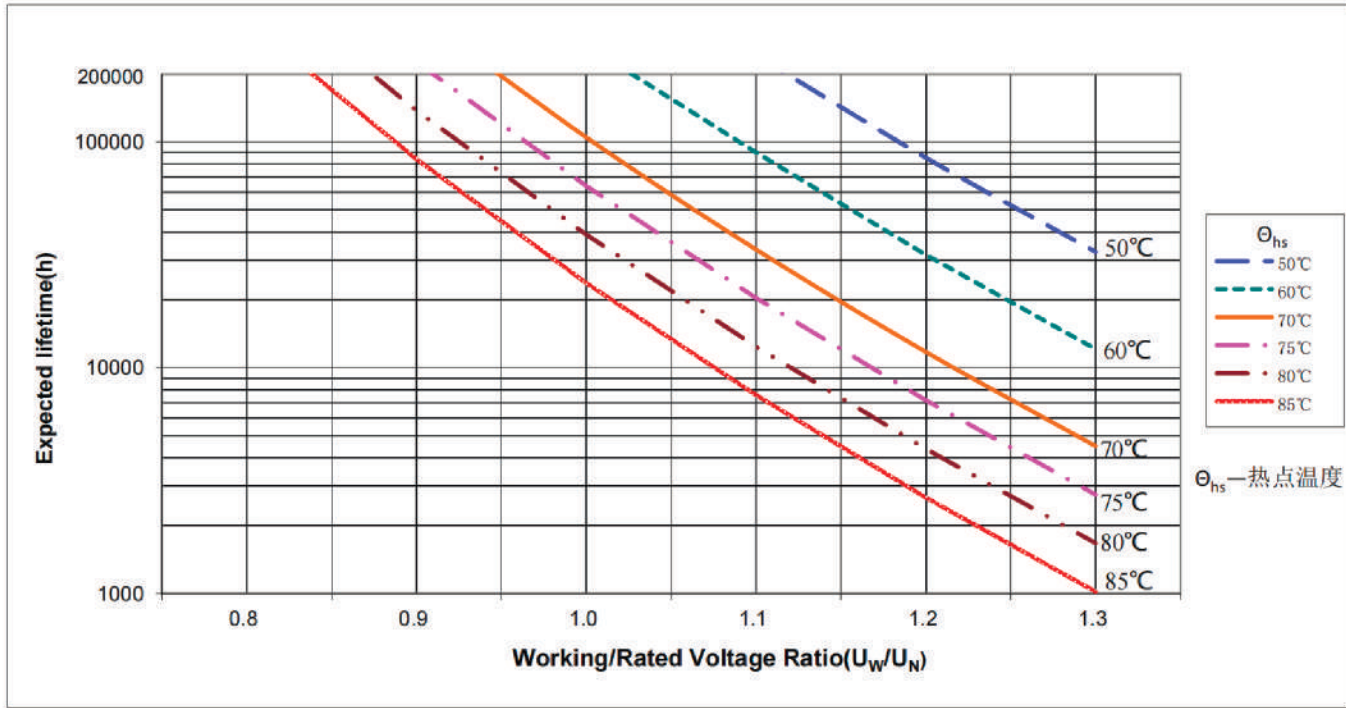
Digit 10 to 15

Internal use



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Expected lifetime curve



Technical data

U _N (Vdc)	C _N (μF)	ESR @1kHz (mΩ)	L _s (nH)	R _{th} (K/W)	Ī (A)	I _{max} (A)			Dimension (mm)			Weight (kg)	Part number
						40°C	50°C	60°C	ΦD	H	H1		
600	580	1.5	45	5.6	1 700	70	59	48	76	95	101	0.60	C3B1U587-*****
	800	1.8	50	4.7	1 680	70	59	48	76	120	126	0.70	C3B1U807-*****
	960	2.1	55	4.6	1 670	64	56	46	76	140	146	0.75	C3B1U967-*****
	1 000	1.1	40	4.3	3 260	70	70	70	76	155	161	0.90	C3B1U108-*****
	1 200	1.1	45	4.2	3 410	70	70	70	76	174	180	1.00	C3B1U128-*****
	720	1.4	45	5.1	2 120	70	70	53	86	95	101	0.72	C3B1U727-*****
	1 100	1.5	50	4.7	2 310	70	65	53	86	120	126	1.00	C3B1U118-*****
	1 200	1.7	55	4.6	2 180	70	62	50	86	136	142	1.10	C3B1U128-*****
	1 300	1.7	55	4.6	2 260	70	61	50	86	140	146	1.15	C3B1U138-*****
	1 400	1.0	40	4.4	4 560	70	70	70	86	155	161	1.25	C3B1U148-*****
	1 600	1.0	45	4.3	4 550	70	70	70	86	174	180	1.30	C3B1U168-*****
	2 300	0.9	55	3.0	6 540	70	70	70	86	252	258	1.80	C3B1U238-*****
	1 000	1.2	45	4.7	2 940	70	70	58	100	95	100	1.19	C3B1U108-*****
	1 300	1.5	50	4.1	2 730	70	70	57	100	120	125	1.45	C3B1U138-*****
	1 600	1.6	55	3.9	2 910	70	70	57	100	136	141	1.63	C3B1U168-*****
	1 700	1.6	55	3.8	2 950	70	70	58	100	140	145	1.67	C3B1U178-*****
	1 700	1.0	40	3.5	5 540	70	70	70	100	155	160	1.96	C3B1U178-*****
	2 000	1.0	45	3.2	5 680	70	70	70	100	174	179	2.26	C3B1U208-*****
	1 300	1.2	45	5.4	3 820	79	69	56	116	95	100	1.20	C3B1U138-*****
	1 800	1.3	50	5.0	3 780	78	68	55	116	120	125	1.50	C3B1U188-*****
2 100	1.4	55	4.9	3 650	75	65	53	116	140	145	1.75	C3B1U218-*****	
2 300	1.0	40	3.6	7 490	100	93	76	116	158	163	2.00	C3B1U238-*****	
2 600	1.0	45	3.4	7 390	100	95	77	116	174	179	2.20	C3B1U268-*****	
3 400	0.9	50	2.7	1 070	100	100	90	116	230	235	2.80	C3B1U348-*****	
750	520	1.6	45	5.6	1 750	70	57	47	76	95	101	0.60	C3B3V527-*****
	700	2.0	50	4.7	1 680	66	57	46	76	120	126	0.70	C3B3V707-*****
	850	2.3	55	4.6	1 690	62	54	44	76	140	146	0.75	C3B3V857-*****
	900	1.1	40	4.3	3 360	70	70	70	76	155	161	0.90	C3B3V907-*****
	1000	1.2	45	4.2	3 250	70	70	70	76	174	180	1.00	C3B3V108-*****
	680	1.4	45	5.1	2 290	70	65	53	86	95	101	0.72	C3B3V687-*****
	900	1.7	50	4.7	2 160	70	61	50	86	120	126	1.00	C3B3V907-*****
	1 100	1.8	55	4.6	2 290	70	60	49	86	136	142	1.10	C3B3V118-*****
	1 200	1.8	55	4.6	2 390	70	60	49	86	140	146	1.15	C3B3V128-*****
	1 200	1.0	40	4.4	4 470	70	70	70	86	155	161	1.25	C3B3V128-*****
	1 400	1.0	45	4.3	4 560	70	70	70	86	174	180	1.30	C3B3V148-*****
	2 000	0.9	55	3.0	6 510	70	70	70	86	252	258	1.80	C3B3V208-*****
	870	1.3	45	4.7	2 870	70	70	57	100	95	100	1.19	C3B3V877-*****
	1 200	1.5	50	4.1	2 830	70	69	56	100	120	125	1.45	C3B3V128-*****
	1 400	1.7	55	3.9	2 850	70	68	56	100	136	141	1.63	C3B3V148-*****
	1 500	1.7	55	3.8	2 920	70	69	56	100	140	145	1.67	C3B3V158-*****
	1 500	1.0	40	3.5	5 480	70	70	70	100	155	160	1.96	C3B3V158-*****
	1 700	1.1	45	3.2	5 420	70	70	70	100	174	179	2.26	C3B3V178-*****
	1 100	1.2	45	5.4	3 620	79	68	56	116	95	100	1.20	C3B3V118-*****
	1 600	1.4	50	5.0	3 770	77	66	54	116	120	125	1.50	C3B3V168-*****
1 800	1.5	55	4.9	3 510	73	63	52	116	140	145	1.75	C3B3V188-*****	
2 000	1.0	40	3.6	7 300	100	92	75	116	158	163	2.00	C3B3V208-*****	
2 300	1.0	45	3.4	7 330	100	94	76	116	174	179	2.20	C3B3V238-*****	
3 000	0.9	50	2.7	10 950	100	100	90	116	230	235	2.80	C3B3V308-*****	



C3B

Technical data

U _N (Vdc)	C _N (μF)	ESR @1kHz (mΩ)	L _s (nH)	R _{th} (K/W)	İ (A)	I _{max} (A)			Dimension (mm)			Weight (kg)	Part number
						40°C	50°C	60°C	ΦD	H	H1		
800	370	1.7	45	5.6	1 610	64	56	45	76	95	101	0.60	C3B2K377-*****
	500	2.1	50	4.7	1 560	64	55	45	76	120	126	0.70	C3B2K507-*****
	600	2.4	55	4.6	1 540	60	52	42	76	140	146	0.75	C3B2K607-*****
	660	1.1	40	4.3	3 180	70	70	70	76	155	161	0.90	C3B2K667-*****
	730	1.2	45	4.2	3 070	70	70	70	76	174	180	1.00	C3B2K737-*****
	490	1.5	45	5.1	2 130	70	63	51	86	95	101	0.72	C3B2K497-*****
	670	1.8	50	4.7	2 080	70	60	49	86	120	126	1.00	C3B2K677-*****
	770	1.9	55	4.6	2 070	70	58	48	86	136	142	1.10	C3B2K777-*****
	780	2.0	55	4.6	2 010	66	57	47	86	140	146	1.15	C3B2K787-*****
	850	1.0	40	4.4	4 100	70	70	70	86	155	161	1.25	C3B2K857-*****
	970	1.1	45	4.3	4 080	70	70	70	86	174	180	1.30	C3B2K977-*****
	1 400	1.0	55	3.0	5 890	70	70	70	86	252	258	1.80	C3B2K148-*****
	640	1.4	45	4.7	2 730	70	69	56	100	95	100	1.19	C3B2K647-*****
	850	1.7	50	4.1	2 600	70	67	54	100	120	125	1.45	C3B2K857-*****
	1 000	1.8	55	3.9	2 640	70	66	54	100	136	141	1.63	C3B2K108-*****
	1 000	1.9	55	3.8	2 530	70	65	53	100	140	145	1.67	C3B2K108-*****
	1 100	1.1	40	3.5	5 210	70	70	70	100	155	160	1.96	C3B2K118-*****
	1 300	1.1	45	3.2	5 370	70	70	70	100	174	179	2.26	C3B2K138-*****
	800	1.2	45	5.4	3 420	77	67	55	116	95	100	1.20	C3B2K807-*****
	1 100	1.5	50	5.0	3 360	74	64	52	116	120	125	1.50	C3B2K118-*****
1 400	1.6	55	4.9	3 540	72	63	51	116	140	145	1.75	C3B2K148-*****	
1 500	1.0	40	3.6	7 100	100	91	75	116	158	163	2.00	C3B2K158-*****	
1 700	1.0	45	3.4	7 020	100	93	76	116	174	179	2.20	C3B2K178-*****	
2 200	0.9	50	2.7	10 410	100	100	89	116	230	235	2.80	C3B2K228-*****	
900	370	1.7	45	5.6	1 610	64	56	45	76	95	101	0.60	C3B1X377-*****
	500	2.1	50	4.7	1 560	64	55	45	76	120	126	0.70	C3B1X507-*****
	600	2.4	55	4.6	1 540	60	52	42	76	140	146	0.75	C3B1X607-*****
	660	1.1	40	4.3	3 180	70	70	70	76	155	161	0.90	C3B1X667-*****
	730	1.2	45	4.2	3 070	70	70	70	76	174	180	1.00	C3B1X737-*****
	490	1.5	45	5.1	2 130	70	63	51	86	95	101	0.72	C3B1X497-*****
	670	1.8	50	4.7	2 080	70	60	49	86	120	126	1.00	C3B1X677-*****
	770	1.9	55	4.6	2 070	70	58	48	86	136	142	1.10	C3B1X777-*****
	780	2.0	55	4.6	2 010	66	57	47	86	140	146	1.15	C3B1X787-*****
	850	1.0	40	4.4	4 100	70	70	70	86	155	161	1.25	C3B1X857-*****
	970	1.1	45	4.3	4 080	70	70	70	86	174	180	1.30	C3B1X977-*****
	1 400	1.0	55	3.0	5 890	70	70	70	86	252	258	1.80	C3B1X148-*****
	640	1.4	45	4.7	2 730	70	68	55	100	95	100	1.19	C3B1X647-*****
	850	1.7	50	4.1	2 600	70	66	54	100	120	125	1.45	C3B1X857-*****
	1 000	1.8	55	3.9	2 640	70	65	53	100	136	141	1.63	C3B1X108-*****
	1 000	1.9	55	3.8	2 530	70	64	52	100	140	145	1.67	C3B1X108-*****
	1 100	1.1	40	3.5	5 210	70	70	70	100	155	160	1.96	C3B1X118-*****
	1 300	1.1	45	3.2	5 370	70	70	70	100	174	179	2.26	C3B1X138-*****
	800	1.3	45	5.4	3 420	76	66	54	116	95	100	1.20	C3B1X807-*****
	1 100	1.5	50	5.0	3 360	73	63	52	116	120	125	1.50	C3B1X118-*****
1 400	1.6	55	4.9	3 540	71	62	50	116	140	145	1.75	C3B1X148-*****	
1 500	1.0	40	3.6	7 100	100	91	74	116	158	163	2.00	C3B1X158-*****	
1 700	1.0	45	3.4	7 020	100	92	75	116	174	179	2.20	C3B1X178-*****	
2 200	0.9	50	2.7	10 410	100	100	89	116	230	235	2.80	C3B1X228-*****	

Technical data

U _N (Vdc)	C _N (μF)	ESR @1kHz (mΩ)	L _s (nH)	R _{th} (K/W)	Ī (A)	I _{max} (A)			Dimension (mm)			Weight (kg)	Part number
						40°C	50°C	60°C	ΦD	H	H1		
1 000	300	1.8	45	5.6	1 640	63	55	45	76	95	101	0.60	C3B3A307-*****
	400	2.3	50	4.7	1 560	60	52	43	76	120	126	0.70	C3B3A407-*****
	490	2.7	55	4.6	1 580	57	49	40	76	140	146	0.75	C3B3A497-*****
	530	1.2	40	4.3	3 210	70	70	62	76	155	161	0.90	C3B3A537-*****
	590	1.3	45	4.2	3 120	70	70	61	76	174	180	1.00	C3B3A597-*****
	400	1.5	45	5.1	2 180	70	62	51	86	95	101	0.72	C3B3A407-*****
	540	1.9	50	4.7	2 110	70	58	47	86	120	126	1.00	C3B3A547-*****
	620	2.1	55	4.6	2 090	64	55	45	86	136	142	1.10	C3B3A627-*****
	640	2.2	55	4.6	2 070	63	54	44	86	140	146	1.15	C3B3A647-*****
	680	1.1	40	4.4	4 120	70	70	70	86	155	161	1.25	C3B3A687-*****
	780	1.1	45	4.3	4 120	70	70	70	86	174	180	1.30	C3B3A787-*****
	1 100	1.0	55	3.0	5 810	70	70	70	86	252	258	1.80	C3B3A118-*****
	460	1.5	45	4.7	2 510	70	65	53	100	95	100	1.19	C3B3A467-*****
	650	1.8	50	4.1	2 540	70	64	52	100	120	125	1.45	C3B3A657-*****
	750	2.0	55	3.9	2 530	70	63	51	100	136	141	1.63	C3B3A757-*****
	800	2.0	55	3.8	2 580	70	63	51	100	140	145	1.67	C3B3A807-*****
	850	1.1	40	3.5	5 140	70	70	70	100	155	160	1.96	C3B3A857-*****
	950	1.2	45	3.2	5 020	70	70	70	100	174	179	2.26	C3B3A957-*****
	600	1.3	45	5.4	3 280	75	65	53	116	95	100	1.20	C3B3A607-*****
	850	1.6	50	5.0	3 320	72	62	51	116	120	125	1.50	C3B3A857-*****
1 000	1.8	55	4.9	3 230	68	59	48	116	140	145	1.75	C3B3A108-*****	
1 100	1.0	40	3.6	6 660	100	90	73	116	158	163	2.00	C3B3A118-*****	
1 200	1.1	45	3.4	6 340	100	90	74	116	174	179	2.20	C3B3A128-*****	
1 600	1.0	50	2.7	9 680	100	100	88	116	230	235	2.80	C3B3A168-*****	
1 100	220	1.9	45	5.6	1 630	61	53	43	76	95	101	0.60	C3B1M227-*****
	300	2.5	50	4.7	1 570	58	50	41	76	120	126	0.70	C3B1M307-*****
	360	3.0	55	4.6	1 510	54	47	38	76	140	146	0.75	C3B1M367-*****
	400	1.3	40	4.3	3 150	70	70	60	76	155	161	0.90	C3B1M407-*****
	440	1.4	45	4.2	3 020	70	70	59	76	174	180	1.00	C3B1M447-*****
	300	1.6	45	5.1	2 130	70	60	49	86	95	101	0.72	C3B1M307-*****
	400	2.1	50	4.7	2 030	63	55	45	86	120	126	1.00	C3B1M407-*****
	450	2.4	55	4.6	1 980	60	52	43	86	136	142	1.10	C3B1M457-*****
	500	1.2	40	4.4	3 940	70	70	62	86	155	161	1.25	C3B1M507-*****
	580	1.2	45	4.3	3 990	70	70	62	86	174	180	1.30	C3B1M587-*****
	840	1.1	55	3.0	5 770	70	70	70	86	252	258	1.80	C3B1M847-*****
	360	1.5	45	4.7	2 560	70	65	53	100	95	100	1.19	C3B1M367-*****
	480	1.9	50	4.1	2 440	70	62	50	100	120	125	1.45	C3B1M487-*****
	550	2.1	55	3.9	2 420	70	60	49	100	136	141	1.63	C3B1M557-*****
	580	2.2	55	3.8	2 440	70	61	49	100	140	145	1.67	C3B1M587-*****
	600	1.2	40	3.5	4 720	70	70	70	100	155	160	1.96	C3B1M607-*****
	680	1.2	45	3.2	4 670	70	70	70	100	174	179	2.26	C3B1M687-*****
	460	1.4	45	5.4	3 270	73	64	52	116	95	100	1.20	C3B1M467-*****
	650	1.6	50	5.0	3 300	70	61	50	116	120	125	1.50	C3B1M657-*****
	780	1.8	55	4.9	3 280	67	58	48	116	140	145	1.75	C3B1M787-*****
810	1.1	40	3.6	6 380	100	88	72	116	158	163	2.00	C3B1M817-*****	
950	1.1	45	3.4	6 530	100	90	73	116	174	179	2.20	C3B1M957-*****	
1 300	1.0	50	2.7	10 230	100	100	87	116	230	235	2.80	C3B1M138-*****	



C3B

Technical data

U _N (Vdc)	C _N (μF)	ESR @1kHz (mΩ)	L _s (nH)	R _{th} (K/W)	İ (A)	I _{max} (A)			Dimension (mm)			Weight (kg)	Part number
						40°C	50°C	60°C	ΦD	H	H1		
1 200	180	2.1	45	5.6	1 420	58	50	41	76	95	101	0.60	C3B3L187-*****
	250	2.8	50	4.7	1 410	55	48	39	76	120	126	0.70	C3B3L257-*****
	310	3.2	55	4.6	1 440	52	45	37	76	140	146	0.75	C3B3L317-*****
	330	1.3	40	4.3	2 880	70	70	59	76	155	161	0.90	C3B3L337-*****
	370	1.4	45	4.2	2 820	70	70	57	76	174	180	1.00	C3B3L377-*****
	250	1.7	45	5.1	1 970	70	58	48	86	95	101	0.72	C3B3L257-*****
	340	2.2	50	4.7	1 910	62	54	44	86	120	126	1.00	C3B3L347-*****
	380	2.5	55	4.6	1 850	59	51	41	86	136	142	1.10	C3B3L387-*****
	400	2.6	55	4.6	1 860	58	50	41	86	140	146	1.15	C3B3L407-*****
	420	1.2	40	4.4	3 660	70	70	61	86	155	161	1.25	C3B3L427-*****
	480	1.3	45	4.3	3 660	70	70	60	86	174	180	1.30	C3B3L487-*****
	700	1.1	55	3.0	5 330	70	70	70	86	252	258	1.80	C3B3L707-*****
	320	1.6	45	4.7	2 520	70	63	52	100	95	100	1.19	C3B3L327-*****
	440	2.0	50	4.1	2 480	70	61	50	100	120	125	1.45	C3B3L447-*****
	500	2.2	55	3.9	2 430	69	59	49	100	136	141	1.63	C3B3L507-*****
	540	2.2	55	3.8	2 510	69	60	49	100	140	145	1.67	C3B3L547-*****
	560	1.2	40	3.5	4 890	70	70	70	100	155	160	1.96	C3B3L567-*****
	640	1.2	45	3.2	4 870	70	70	70	100	174	179	2.26	C3B3L647-*****
	420	1.4	45	5.4	3 310	73	63	51	116	95	100	1.20	C3B3L427-*****
	580	1.7	50	5.0	3 260	69	60	49	116	120	125	1.50	C3B3L587-*****
700	1.9	55	4.9	3 260	66	57	47	116	140	145	1.75	C3B3L707-*****	
750	1.1	40	3.6	6 540	100	88	72	116	158	163	2.00	C3B3L757-*****	
870	1.1	45	3.4	6 630	100	89	73	116	174	179	2.20	C3B3L877-*****	
1 100	1.0	50	2.7	9 600	100	100	86	116	230	235	2.80	C3B3L118-*****	
1 300	140	2.5	45	5.6	1 330	53	46	38	76	95	101	0.60	C3B2M147-*****
	190	3.4	50	4.7	1 290	50	43	35	76	120	126	0.70	C3B2M197-*****
	230	4.0	55	4.6	1 290	47	40	33	76	140	146	0.75	C3B2M237-*****
	230	1.6	40	4.3	2 420	70	70	53	76	155	161	0.90	C3B2M237-*****
	260	1.8	45	4.2	2 390	70	64	52	76	174	180	1.00	C3B2M267-*****
	190	2.1	45	5.1	1 810	62	54	44	86	95	101	0.72	C3B2M197-*****
	250	2.8	50	4.7	1 700	55	48	39	86	120	126	1.00	C3B2M257-*****
	290	3.1	55	4.6	1 700	53	46	37	86	136	142	1.10	C3B2M297-*****
	290	3.3	55	4.6	1 630	51	44	36	86	140	146	1.15	C3B2M297-*****
	300	1.4	40	4.4	3 160	70	70	57	86	155	161	1.25	C3B2M307-*****
	340	1.5	45	4.3	3 130	70	70	55	86	174	180	1.30	C3B2M347-*****
	540	1.2	55	3.0	4 970	70	70	70	86	252	258	1.80	C3B2M547-*****
	230	1.9	45	4.7	2 190	67	58	47	100	95	100	1.19	C3B2M237-*****
	300	2.5	50	4.1	2 040	62	54	44	100	120	125	1.45	C3B2M307-*****
	350	2.8	55	3.9	2 060	61	53	43	100	136	141	1.63	C3B2M357-*****
	380	2.8	55	3.8	2 140	61	53	43	100	140	145	1.67	C3B2M387-*****
	400	1.3	40	3.5	4 210	70	70	66	100	155	160	1.96	C3B2M407-*****
	440	1.4	45	3.2	4 050	70	70	66	100	174	179	2.26	C3B2M447-*****
	340	1.5	45	5.4	3 230	69	60	49	116	95	100	1.20	C3B2M347-*****
	450	1.9	50	5.0	3 060	64	56	45	116	120	125	1.50	C3B2M457-*****
540	2.2	55	4.9	3 040	61	53	43	116	140	145	1.75	C3B2M547-*****	
560	1.2	40	3.6	5 900	97	84	69	116	158	163	2.00	C3B2M567-*****	
650	1.2	45	3.4	5 980	98	85	70	116	174	179	2.20	C3B2M657-*****	
850	1.0	50	2.7	8 950	100	100	84	116	230	235	2.80	C3B2M857-*****	

Technical data

U _N (Vdc)	C _N (μF)	ESR @1kHz (mΩ)	L _s (nH)	R _{th} (K/W)	İ (A)	I _{max} (A)			Dimension (mm)			Weight (kg)	Part number
						40°C	50°C	60°C	ΦD	H	H1		
1 400	120	2.3	45	5.6	1 310	55	48	39	76	95	101	0.60	C3B3M127-*****
	160	3.2	50	4.7	1 250	52	45	37	76	120	126	0.70	C3B3M167-*****
	190	3.8	55	4.6	1 230	48	42	34	76	140	146	0.75	C3B3M197-*****
	190	1.6	40	4.3	2 300	70	70	55	76	155	161	0.90	C3B3M197-*****
	220	1.7	45	4.2	2 320	70	70	54	76	174	180	1.00	C3B3M227-*****
	160	1.9	45	5.1	1 740	64	55	45	86	95	101	0.72	C3B3M167-*****
	210	2.6	50	4.7	1 640	57	50	41	86	120	126	1.00	C3B3M217-*****
	250	2.8	55	4.6	1 690	55	48	39	86	136	142	1.10	C3B3M257-*****
	260	1.3	40	4.4	3 140	70	70	59	86	155	161	1.25	C3B3M267-*****
	290	1.4	45	4.3	3 060	70	70	57	86	174	180	1.30	C3B3M297-*****
	440	1.2	55	3.0	4 640	70	70	70	86	252	258	1.80	C3B3M447-*****
	200	2.1	45	4.7	2 320	64	56	45	100	95	100	1.19	C3B3M207-*****
	270	2.7	50	4.1	2 240	60	52	43	100	120	125	1.45	C3B3M277-*****
	310	3.0	55	3.9	2 130	58	50	41	100	136	141	1.63	C3B3M317-*****
	340	1.4	40	3.5	4 370	70	70	64	100	155	160	1.96	C3B3M347-*****
	380	1.5	45	3.2	4 270	70	70	64	100	174	179	2.26	C3B3M387-*****
	280	1.7	45	5.4	3 250	66	57	47	116	95	100	1.20	C3B3M287-*****
	380	2.1	50	5.0	3 150	61	53	43	116	120	125	1.50	C3B3M387-*****
	470	2.4	55	4.9	3 230	58	50	41	116	140	145	1.75	C3B3M477-*****
	480	1.2	40	3.6	6 170	95	82	67	116	158	163	2.00	C3B3M487-*****
560	1.3	45	3.4	6 290	96	83	68	116	174	179	2.20	C3B3M567-*****	
730	1.1	50	2.7	9 390	100	100	83	116	230	235	2.80	C3B3M737-*****	



C3B

Technical data

U _N (Vdc)	C _N (μF)	ESR @1kHz (mΩ)	L _s (nH)	R _{th} (K/W)	İ (A)	I _{max} (A)			Dimension (mm)			Weight (kg)	Part number
						40°C	50°C	60°C	ΦD	H	H1		
1 500	110	2.5	45	5.6	1 410	54	46	38	76	95	101	0.60	C3B4M117-*****
	150	3.3	50	4.7	1 370	50	44	36	76	120	126	0.70	C3B4M157-*****
	170	4.1	55	4.6	1 290	46	40	32	76	140	146	0.75	C3B4M177-*****
	180	1.6	40	4.3	2 550	70	70	54	76	155	161	0.90	C3B4M187-*****
	200	1.8	45	4.2	2 480	70	64	52	76	174	180	1.00	C3B4M207-*****
	140	2.1	45	5.1	1 790	61	53	43	86	95	101	0.72	C3B4M147-*****
	190	2.8	50	4.7	1 740	55	48	39	86	120	126	1.00	C3B4M197-*****
	220	3.1	55	4.6	1 740	53	46	37	86	136	142	1.10	C3B4M227-*****
	240	1.4	40	4.4	3 410	70	70	57	86	155	161	1.25	C3B4M247-*****
	270	1.5	45	4.3	3 340	70	70	56	86	174	180	1.30	C3B4M277-*****
	410	1.2	55	3.0	5 080	70	70	70	86	252	258	1.80	C3B4M417-*****
	180	2.2	45	4.7	2 300	62	54	44	100	95	100	1.19	C3B4M187-*****
	230	3.0	50	4.1	2 110	57	49	40	100	120	125	1.45	C3B4M237-*****
	270	3.4	55	3.9	2 040	55	48	39	100	136	141	1.63	C3B4M277-*****
	300	1.5	40	3.5	4 260	70	70	62	100	155	160	1.96	C3B4M307-*****
	340	1.6	45	3.2	4 210	70	70	63	100	174	179	2.26	C3B4M347-*****
	240	1.9	45	5.4	3 070	63	55	45	116	95	100	1.20	C3B4M247-*****
	330	2.4	50	5.0	3 020	58	50	41	116	120	125	1.50	C3B4M337-*****
	400	2.7	55	4.9	3 030	55	48	39	116	140	145	1.75	C3B4M407-*****
	430	1.3	40	3.6	6 100	93	80	66	116	158	163	2.00	C3B4M437-*****
490	1.4	45	3.4	6 070	93	81	66	116	174	179	2.20	C3B4M497-*****	
630	1.1	50	2.7	8 940	100	99	81	116	230	235	2.80	C3B4M637-*****	

- Note: 1. “-” =capacitance tolerance code, J=±5.0%, K=±10%.
 2. “*****” =Internal use
 3. “I_{max}” = Maxium allowable r.m.s current at θ_{amb}(40°C, 50°C, 60°C). θ_{hs} will reach the maximum value on this condition.
 4. “R_{th}” = R_{th} between hotspot and ambient on natural cooling condition.
 5. Sizes above are normally used dimension, other dimension can be produced in pursuance of customer's request.
 6. *θ_{hs}= θ_{amb}+ I_{rms}²×ESR×R_{th}.