

Box, IGBT direct mount

■ Features

- Self-healing
- Low losses
- High ripple current
- High contact reliability
- Suitable for high frequency applications

■ Applications

- Snubber for IGBT
- Blocking
- Clamper

■ Specifications

Reference Standard	VDE 0560 - IEC61071 - EN61071	
Climatic Category	40 / 85 / 56	
Rated Temperature	+85 °C ±1.5% max on capacitance value measured at +20 °C	
Operation Temperature Range	-40 to + 85 °C	
Rated Voltage	DC-TYPE	250~850V
	AC-TYPE	160~450V
Capacitance Range (μF)	1 μF – 60 μF	
Capacitance Tolerance	±5%, ±10%	
Dissipation Factor	≤ 5 x 10 ⁻³ at 1 kHz and 20 °C	

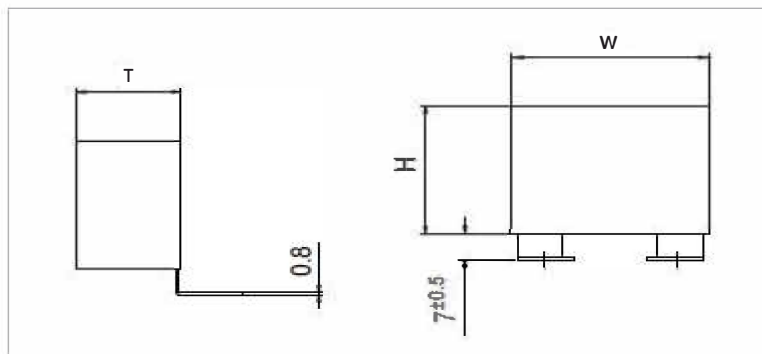
■ Part Number System

BSEL	105	J	250	D			
Part-1	Part-2	Part-3	Part-4	Part-5	Part-6	Part-7	Part-8

Part-1 : Series Code(Series Name)-BSEL
 Part-3 : Rated Capacitance Value(1 μF – 60 μF / 105~606)
 Part-4 : Capacitance Tolerance(J : ±5% K : ±10%)
 Part-2 : Rated Voltage(250~850VDC)
 Part-5 : Voltage Class (D-DC / A-AC)
 Part-6 : Lug Type
 Part-7 : Internal Use
 Part-8 : Internal Use

CODE	STYLE
B	Bending Forming
C	Straight Cutting
D	D-Type Forming
L	B-Type long Forming
M	C-Type long Forming
S	Straight
X	B-Type Forming
Y	C-Type Forming
Z	Z-Type Forming
T	A-Type Tapping
U	B-Type Tapping
V	C-Type Tapping

■ Dimensions



C μF	Un Vdc	URMS Vac	dv/dt V/μs	IPKR A	ESR max @ 100 kHz mΩ	ESL nH	IRMS 100 kHz @ 70°C A	DIMENSIONS mm			Part Number
								W	H	T	
4.7	250	160	59	279	2.6	36	22	32	33	18	BSEL 475J250D_
6.8	250	160	59	403	1.9	36	26	32	33	18	BSEL 685J250D_
10	250	160	40	402	2.6	41	27	41.5	40	20	BSEL 106J250D_
15	250	160	40	602	1.8	41	32	41.5	40	20	BSEL 156J250D_
20	250	160	40	803	1.4	36	39	42.5	37	28	BSEL 206J250D_
25	250	160	40	1004	1.2	43	43	42	44	24	BSEL 256J250D_
30	250	160	40	1205	1	43	50	42	45	30	BSEL 306J250D_
40	250	160	27	1082	1.5	45	46	57.5	45	30	BSEL 406J250D_
50	250	160	27	1353	1.2	48	54	57.5	50	35	BSEL 506J250D_
60	250	160	27	1624	1.1	48	58	57.5	50	35	BSEL 606J250D_
3.3	400	250	74	245	3	36	21	32	33	18	BSEL 335J400D_
4	400	250	74	296	2.5	36	23	32	33	18	BSEL 405J400D_
4	400	250	50	201	4.9	41	19	41.5	40	20	BSEL 405J400D_
5	400	250	74	370	2	36	25	32	33	18	BSEL 505J400D_
5	400	250	50	251	4	41	22	41.5	40	20	BSEL 505J400D_
6.8	400	250	50	341	3	41	25	41.5	40	20	BSEL 685J400D_
10	400	250	50	502	2.1	41	30	41.5	40	20	BSEL 106J400D_
12.5	400	250	50	627	1.7	36	35	42.5	37	28	BSEL 126J400D_
15	400	250	50	753	1.5	36	38	42.5	37	28	BSEL 156J400D_
20	400	250	50	1004	1.2	43	46	42	45	30	BSEL 206J400D_
25	400	250	34	846	1.8	45	41	57.5	45	30	BSEL 256J400D_
30	400	250	34	1015	1.6	45	45	57.5	45	30	BSEL 306J400D_
35	400	250	34	1184	1.4	48	52	57.5	50	35	BSEL 356J400D_
40	400	250	34	1353	1.2	48	54	57.5	50	35	BSEL 406J400D_
2.5	600	330	104	259	2.9	36	21	32	33	18	BSEL 255J600D_
2.5	600	330	70	176	5.7	41	18	41.5	40	20	BSEL 255J600D_
3	600	330	70	211	4.8	41	20	41.5	40	20	BSEL 305J600D_
4	600	330	70	281	3.6	41	23	41.5	40	20	BSEL 405J600D_

Power Film Capacitor

C μF	Un Vdc	URMS Vac	dv/dt V/μs	IPKR A	ESR max @ 100 kHz mΩ	ESL nH	IRMS 100 kHz @ 70°C A	DIMENSIONS mm			Part Number
								W	H	T	
5	600	330	70	351	2.9	41	25	41.5	40	20	BSEL 505J600D_
6.8	600	330	70	478	2.2	41	31	42.5	37	28	BSEL 685J600D_
8	600	330	70	562	1.9	43	34	42	44	24	BSEL 805J600D_
10	600	330	70	703	1.6	43	40	42	45	30	BSEL 106J600D_
12.5	600	330	47	592	2.5	45	35	57.5	45	30	BSEL 126J600D_
15	600	330	47	710	2.1	45	38	57.5	45	30	BSEL 156J600D_
20	600	330	47	947	1.7	48	47	57.5	50	35	BSEL 206J600D_
1.5	700	400	119	178	4.2	36	18	32	33	18	BSEL 155J700D_
1.5	700	400	80	120	8.2	41	15	41.5	40	20	BSEL 155J700D_
2	700	400	119	237	3.2	36	20	32	33	18	BSEL 205J700D_
2	700	400	80	161	6.2	41	17	41.5	40	20	BSEL 205J700D_
2.2	700	400	80	177	5.7	41	18	41.5	40	20	BSEL 225J700D_
3	700	400	80	241	4.2	41	21	41.5	40	20	BSEL 305J700D_
4	700	400	80	321	3.2	41	24	41.5	40	20	BSEL 405J700D_
5	700	400	80	402	2.6	36	29	42	37	28	BSEL 505J700D_
8	700	400	80	642	1.7	43	38	42	45	30	BSEL 805J700D_
10	700	400	54	541	2.7	45	34	57.5	45	30	BSEL 106J700D_
15	700	400	54	812	1.9	48	44	57.5	50	35	BSEL 156J700D_
1	850	450	148	148	5.1	36	16	32	33	18	BSEL 105J850D_
1	850	450	100	100	9.9	41	14	41.5	40	20	BSEL 105J850D_
1.5	850	450	100	151	6.7	41	17	41.5	40	20	BSEL 155J850D_
2	850	450	100	201	5.1	41	19	41.5	40	20	BSEL 205J850D_
3	850	450	100	301	3.4	41	23	41.5	40	20	BSEL 305J850D_
4	850	450	100	402	2.6	43	29	42	44	24	BSEL 405J850D_
5	850	450	100	502	2.2	43	34	42	45	30	BSEL 505J850D_
8	850	450	68	541	2.8	48	37	57.5	50	35	BSEL 805J850D_
10	850	450	68	677	2.3	48	40	57.5	50	35	BSEL 106J850D_