

Box, IGBT direct mount

■ Features

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

■ Applications

- IGBT APPLICATIONS

■ 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	850~3000V
	AC-TYPE	500~750V
Capacitance Range (μ F)	0.047 μF – 5 μF	
Capacitance Tolerance	±5%, ±10%	
Dissipation Factor	≤ 5 x 10 ⁻³ at 1 kHz and 20 °C	

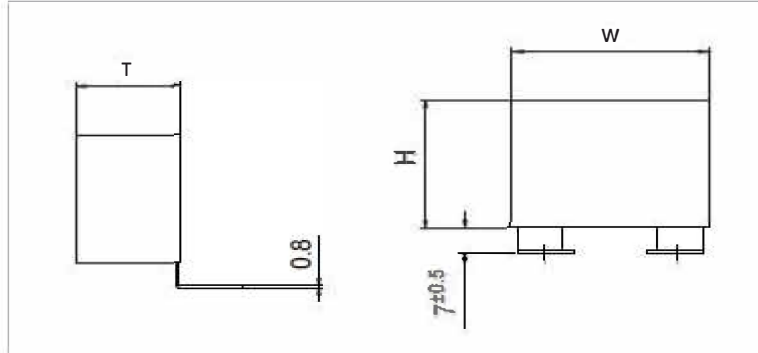
■ Part Number System

BSES	473	J	850	D			
Part-1	Part-2	Part-3	Part-4	Part-5	Part-6	Part-7	Part-8

Part-1 : Series Code(Series Name)-BSES
 Part-2 : Rated Capacitance Value(0.047μF – 5 μF / 473~505)
 Part-3 : Capacitance Tolerance(J : ±5% K : ±10%)
 Part-4 : Rated Voltage(850~3000VDC)
 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	
0.47	850	500	1232	579	4.2	36	20	32	33	18	BSES 474J850D_
0.47	850	500	758	356	8.2	41	16	41.5	40	20	BSES 474J850D_
0.68	850	500	758	516	5.7	41	19	41.5	40	20	BSES 684J850D_
1	850	500	758	758	4	41	22	41.5	40	20	BSES 105J850D_
1.5	850	500	758	1138	2.7	36	29	42.5	37	28	BSES 155J850D_
2	850	500	758	1517	2.1	43	36	42	45	30	BSES 205J850D_
2.2	850	500	758	1668	1.9	43	37	42	45	30	BSES 225J850D_
2.5	850	500	469	1174	1.7	45	39	57.5	45	30	BSES 255J850D_
3	850	500	469	1408	3	45	32	57.5	45	30	BSES 305J850D_
3.3	850	500	469	1549	2.8	45	33	57.5	45	30	BSES 335J850D_
4	850	500	469	1878	2.3	48	36	57.5	50	35	BSES 405J850D_
5	850	500	469	2347	1.9	48	42	57.5	50	35	BSES 505J850D_
0.47	1000	600	1344	632	3.9	36	20	32	33	18	BSES 474J1000D_
0.47	1000	600	827	389	7.6	41	16	41.5	40	20	BSES 474J1000D_
0.68	1000	600	827	563	5.3	41	20	41.5	40	20	BSES 684J1000D_
1	1000	600	827	827	3.7	41	23	41.5	40	20	BSES 105J1000D_
1.5	1000	600	827	1241	2.5	36	30	42.5	37	28	BSES 155J1000D_
2	1000	600	827	1655	2	43	36	42	45	30	BSES 205J1000D_
2.2	1000	600	512	1127	3.8	45	29	57.5	45	30	BSES 225J1000D_
2.5	1000	600	512	1280	3.3	45	30	57.5	45	30	BSES 255J1000D_
3	1000	600	512	1536	2.8	45	33	57.5	45	30	BSES 305J1000D_
3.3	1000	600	512	1690	2.6	45	34	57.5	45	30	BSES 335J1000D_
4	1000	600	512	2049	2.2	48	40	57.5	50	35	BSES 405J1000D_
0.33	1200	630	1568	518	5	36	19	32	33	18	BSES 334J1200D_
0.33	1200	630	965	319	9.5	41	15	41.5	40	20	BSES 334J1200D_
0.47	1200	630	965	454	6.7	41	18	41.5	40	20	BSES 474J1200D_
0.68	1200	630	965	656	4.7	41	21	41.5	40	20	BSES 684J1200D_
1	1200	630	965	965	3.3	36	27	42.5	37	28	BSES 105J1200D_

Power Film Capacitors

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	
1.2	1200	630	965	1158	2.8	36	29	42.5	37	28	BSES 125J1200D_
1.5	1200	630	965	1448	2.3	43	34	42	45	30	BSES 155J1200D_
2	1200	630	598	1195	3.6	45	29	57.5	45	30	BSES 205J1200D_
2.2	1200	630	598	1315	3.3	45	30	57.5	45	30	BSES 225J1200D_
2.5	1200	630	598	1494	2.9	45	32	57.5	45	30	BSES 255J1200D_
3	1200	630	598	1793	2.5	48	37	57.5	50	35	BSES 305J1200D_
3.3	1200	630	598	1972	2.3	48	39	57.5	50	35	BSES 335J1200D_
0.1	2000	700	2241	224	12.9	36	12	32	33	18	BSES 104J2000D_
0.1	2000	700	1379	138	23.3	41	10	41.5	40	20	BSES 104J2000D_
0.15	2000	700	2241	336	8.6	36	15	32	33	18	BSES 154J2000D_
0.15	2000	700	1379	207	15.6	41	12	41.5	40	20	BSES 154J2000D_
0.22	2000	700	1379	303	10.7	41	14	41.5	40	20	BSES 224J2000D_
0.33	2000	700	1379	455	7.2	41	17	41.5	40	20	BSES 334J2000D_
0.47	2000	700	1379	648	5.1	41	20	41.5	40	20	BSES 474J2000D_
0.68	2000	700	1379	938	3.6	43	26	41.5	44	24	BSES 684J2000D_
0.82	2000	700	1379	1131	3	43	30	42	45	30	BSES 824J2000D_
1	2000	700	854	854	5.1	45	24	57.5	45	30	BSES 105J2000D_
1.2	2000	700	854	1024	4.3	45	26	57.5	45	30	BSES 125J2000D_
1.5	2000	700	854	1280	3.5	48	31	57.5	50	35	BSES 155J2000D_
0.047	3000	750	3361	158	21.9	36	10	32	33	18	BSES 473J3000D_
0.047	3000	750	2068	97	36.6	41	8	41.5	40	20	BSES 473J3000D_
0.068	3000	750	3361	229	15.2	36	12	32	33	18	BSES 683J3000D_
0.068	3000	750	2068	141	25.4	41	10	41.5	40	20	BSES 683J3000D_
0.1	3000	750	2068	207	17.3	41	12	41.5	40	20	BSES 104J3000D_
0.22	3000	750	2068	455	8	41	17	41.5	40	20	BSES 224J3000D_
0.33	3000	750	2068	683	5.4	43	24	42	45	30	BSES 334J3000D_
0.47	3000	750	1280	602	7.5	45	20	57.5	45	30	BSES 474J3000D_
0.68	3000	750	1280	871	5.3	48	23	57.5	50	35	BSES 684J3000D_
0.82	3000	750	1280	1050	4.4	48	28	57.5	50	35	BSES 824J3000D_