

List of Component

No. PN001424_Rev.A

Item	Module
Part No.	BSM300D12P2E001
Product mass	394399 mg

	Date	2020/09/11
Company Name	ROHM Co., Ltd.	
Address	21,Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan	

No.	Part Name	Substance Name	CAS No.	Mass (mg)	Concentration (wt%)	Remark
1	Cu Base	Copper	7440-50-8	242,911.172338	99.75000	
2		Nickel	7440-02-0	608.794296	0.25000	
3	Direct Bonded Copper Substrate	Copper	7440-50-8	15,931.629285	74.56254	
4		Aluminium nitride	24304-00-5	5,071.971140	23.73763	
5		Silver	7440-22-4	108.972444	0.50995	
6		Yttrium-oxide	1314-36-9	66.219592	0.30997	
7		Titanium	7440-32-6	2.129755	0.01000	
8		Nickel	7440-02-0	166.633578	0.77992	
9		Phosphorus	7723-14-0	19.246671	0.08999	
10	Adhesive	Poly alkyl alkenyl siloxane	_	500.019052	50.00000	
11		Silica	14808-60-7	399.999466	40.00000	
12		Poly alkył hydrogen siloxane	_	50.009793	5.00000	
13		Amorphous silica	-	50.009793	5.00000	
14	Case	Filler	-	28,266.379130	39.18486	
15		Polyphenylensulfide	26125-40-6	16,021.118418	22.20958	
16		CarbonBlack	1333-86-4	216.406731	0.29999	
17		Iron	7439-89-6	9,021.679926	12.50647	
18		Chromium and Chromium Compounds(III)	_	82.074432	0.11379	
19		Copper	7440-50-8	18,476.133874	25.61291	
20		Nickel	7440-02-0	52.218428	0.07240	
21	Lid	Polyphenylensulfide	25212-74-2	7,498.077149	55.50000	
22		Glass fiber	65997-17-3	4,053.001884	30.00000	
23		CarbonBlack	1333-86-4	67.560549	0.50000	
24		Brominated flame retardants	_	1,351.013774	10.00000	
25		Antimony trioxide	1309-64-4	540.405510	4.00000	
26	Bonding wire	Aluminum	7429-90-5	910.115132	100.00000	
27	Silicone gel	Silicone Resin	-	31,999.996704	100.00000	
28	Die attach	Tin	7440-31-5	6,309.910721	92.21000	
29		Antimony	7440-36-0	229.934617	3.36000	
30		Copper	7440-50-8	43.107811	0.63000	
31		Silver	7440-22-4	260.027261	3.80000	
32	Die	Silicon carbide	409-21-2	2,926.401140	99.74000	

33		Nickel	7440-02-0	2.050875	0.07000	
34	-	Silver	7440-22-4	1.183197	0.04000	
35		Gold	7440-57-5	0.591598	0.02000	
36	-	Titanium	7440-32-6	0.276079	0.01000	
37		Aluminum	7429-90-5	3.510151	0.12000	
38	Die	Silicon carbide	409-21-2	174.363798	97.38026	
39	-	Nickel	7440-02-0	1.222637	0.68993	
40	_	Silver	7440-22-4	0.749358	0.40996	
41	-	Gold	7440-57-5	0.315519	0.16998	
42	_	Titanium	7440-32-6	0.197200	0.11999	
43		Aluminum	7429-90-5	2.169194	1.22988	

Remarks

- · All information in this document is furnished for exploratory or indicative purposes only.
- This information provides estimates of the average weights and content of component materials. And does not include impurities or metals diffused in the silicon.
- The contained volume/mass is a calculated value. For this reason, there are cases when the total volume/mass may differ from the product volume/mass.
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