



List of Component

No. PN000205 Rev.A

Date 2020/09/11

Item	Thermal print head	Company Name	ROHM Co., Ltd.
Part No.	KA3002-B05N00A	Address	21,Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan
Product mass	2400 mg		

No.	Part Name	Substance Name	CAS No.	Mass (mg)	Concentration (wt%)	Remark
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		Arsenic	7440-38-2	0	0.0005	
1		Aluminum	7429-90-5	0.000240	0.00200	
2		Titanium	7440-32-6	0.000240	0.00200	
3		Tangsten	7440-33-7	0.000480	0.00300	
4	Die-Bonging Paste	Silica	60676-86-0	0.420000	60.00000	
5		Epoxy resin	9003-36-5	0.210000	30.00000	
6		Phenol -formal dehyde	9003-35-4	0.070080	10.00000	
7	Bonding Wire	Silver	7440-22-4	6.113760	89.25000	
8		Gold	7440-57-5	0.493200	7.20000	
9		Palladium	7440/05/03	0.239760	3.50000	
10		Impurities	-	0.003360	0.05000	
11	IC protective resin	Silica	-	120.639840	80.00000	
12		Epoxy resin	-	15.079920	10.00000	
13		Acid anhydride	-	12.064080	8.00000	
14		CarbonBlack	1333-86-4	0.452400	0.30000	
15		Antimony pentaoxide	1314-60-9	1.055520	0.70000	
16		Bismuth compounds	-	1.507920	1.00000	
17	IC protective resin	Silica	-	119.131920	79.00000	
18		Epoxy resin	-	16.588080	11.00000	
19		Acid anhydride	-	13.572000	9.00000	
20		CarbonBlack	1333-86-4	0.301680	0.20000	
21		Antimony pentaoxide	1314-60-9	0.452400	0.30000	
22		Bismuth compounds	-	0.754080	0.50000	
23	Thermistor	Manganese tetraoxide	1317-35-7	0.225120	30.00000	
24		Nickel oxide	1313-99-1	0.225120	30.00000	
25		Aluminium oxide	1344-28-1	0.225120	30.00000	
26		Gold	7440-57-5	0.033840	4.50000	
27		Lead oxide	1317-36-8	0.003840	0.50000	RoHS exemption :7(c)-I
28		Others	-	0.037440	5.00000	
29	Thermistor bonding paste	Silver	7440-22-4	0.150000	75.00000	
30		Bisphenol epoxy resin F	-	0.019920	10.00000	
31		1,4-Butanediol diglycidyl ether	-	0.010080	5.00000	
32	(0)	(0)	Modified diamine	-	0.010080	5.00000

33		Epoxy resin	-	0.010080	5.00000	
34	Solder	Tin	7440-31-5	28.982880	96.61000	
35		Silver	7440-22-4	0.882000	2.94000	
36		Copper	7440-50-8	0.134880	0.45000	
37	Ceramic substrate	Paste	Silver	7440-22-4	1.281120	96.96000
38			Platinum	7440/06/04	0.010080	0.76000
39			Glass and metal oxide	-	0.030240	2.28000
40	Paste	Ruthenium dioxide	12036-10-1	0.042960	20.10000	
41		Lead oxide	1317-36-8	0.025200	11.75000	RoHS exemption :7(c)-I
42		Glass and metal oxide	-	0.145920	68.15000	
43	Paste	Lead oxide	1317-36-8	9.839760	46.15000	RoHS exemption :7(c)-I
44		Glass	-	6.560640	30.77000	
45		Aluminium oxide	1344-28-1	4.920960	23.08000	
46	Paste	Gold	7440-57-5	35.843040	98.20000	
47		Lead oxide	1317-36-8	0.208080	0.57000	RoHS exemption :7(c)-I
48		Glass and metal oxide	-	0.449040	1.23000	
49	Paste	Silver	7440-22-4	19.116960	97.50000	
50		Lead oxide	1317-36-8	0.245040	1.25000	RoHS exemption :7(c)-I
51		Inorganic component	-	0.245040	1.25000	
52	Paste	Gold	7440-57-5	1.246800	96.97000	
53		Glass and metal oxide	-	0.031200	2.43000	
54		Lead oxide	1317-36-8	0.007680	0.60000	RoHS exemption :7(c)-I
55	Paste	Silver	7440-22-4	13.501200	97.18000	
56		Glass and metal oxide	-	0.391680	2.82000	
57	Glazed substrate	Aluminium oxide	1344-28-1	1,875.030720	96.00000	
58		Silica	7631-86-9	39.063120	2.00000	
59		Magnesium oxide	1309-48-4	37.110000	1.90000	
60		Glass	-	1.953120	0.10000	

Remarks

- All information in this document is furnished for exploratory or indicative purposes only.
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