



List of Component

No. PN001519 Rev.A

Date 2021/04/20

Item	Transistor
Part No.	UMH4NFHATN
Product mass	5.6 mg

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	Mold compound	Silica	60676-86-0	2.127200	69.99901	
2		Epoxy resin	-	0.486200	15.99921	
3		Hardener	-	0.273500	8.99997	
4		Brominated epoxy resin	-	0.091200	3.00109	
5		Antimony trioxide	1309-64-4	0.045600	1.50054	
6		CarbonBlack	1333-86-4	0.015200	0.50018	
7	Lead frame	Iron	7439-89-6	1.105000	57.99916	
8		Nickel	7440-02-0	0.800200	42.00084	
9	Leadframe surface treatment	Copper	7440-50-8	0.254000	100.00000	
10	External plating	Tin	7440-31-5	0.269500	98.00000	
11		Copper	7440-50-8	0.005500	2.00000	
12	Die	Silicon	7440-21-3	0.096000	90.73724	
13		Gold	7440-57-5	0.009800	9.26276	
14	Bonding wire	Gold	7440-57-5	0.021100	100.00000	

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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