



List of Component

No. PN001524 Rev.A

Date 2021/04/20

Item	Transistor
Part No.	FMA4AT148
Product mass	11.67 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	Die	Silicon	7440-21-3	0.153000	93.86503	
2		Gold	7440-57-5	0.010000	6.13497	
3	Bonding wire	Gold	7440-57-5	0.028500	100.00000	
4	External plating	Tin	7440-31-5	0.206499	96.49533	
5		Silver	7440-22-4	0.006400	2.99065	
6		Copper	7440-50-8	0.001100	0.51402	
7	Leadframe surface treatment	Copper	7440-50-8	0.472500	100.00000	
8	Mold compound	Silica	60676-86-0	5.074300	70.00000	
9		Epoxy resin	-	1.014900	14.00055	
10		Hardener	-	0.724900	10.00000	
11		Brominated epoxy resin	-	0.290000	4.00055	
12		Antimony trioxide	1309-64-4	0.108700	1.49952	
13		CarbonBlack	1333-86-4	0.036200	0.49938	
14	Lead frame	Iron	7439-89-6	2.054900	57.99887	
15		Nickel	7440-02-0	1.488101	42.00113	

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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