

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA052N08NM5S	**Issued**	27. April 2022
MA#	MA005733551		
Package	PG-TO220-3-312	**Weight***	2056.35 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	1.810	0.09	0.09	880	880
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		461	
	non noble metal	copper	7440-50-8	947.445	46.07	46.13	460741	461340
wire	non noble metal	aluminium	7429-90-5	8.941	0.43	0.43	4348	4348
encapsulation	organic material	carbon black	1333-86-4	10.820	0.53		5262	
	plastics	epoxy resin	-	173.839	8.45		84537	
	inorganic material	silicondioxide	60676-86-0	899.889	43.76	52.74	437615	527414
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5395	5395
solder	non noble metal	antimony	7440-36-0	0.128	0.01		62	
	noble metal	silver	7440-22-4	0.321	0.02		156	
	non noble metal	tin	7440-31-5	0.834	0.04	0.07	405	623
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com