



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA040N08NM5S	Issued	23. June 2021
MA#	MA005547625		
Package	PG-TO220-3-312	Weight*	2056.51 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	2.862	0.14	0.14	1392	1392
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	460706	461305
wire	non noble metal	aluminium	7429-90-5	6.873	0.33	0.33	3342	3342
encapsulation	organic material	carbon black	1333-86-4	10.826	0.53		5264	
	plastics	epoxy resin	-	173.918	8.46		84570	
	inorganic material	silicondioxide	60676-86-0	900.363	43.78	52.77	437813	527647
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5395	5395
solder	non noble metal	antimony	7440-36-0	0.189	0.01		92	
	noble metal	silver	7440-22-4	0.473	0.02		230	
	non noble metal	tin	7440-31-5	1.229	0.06	0.09	597	919
*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