



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA030N10NF2S	Issued	09. September 2021
MA#	MA005557120		
Package	PG-TO220-3-312	Weight*	2054.57 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	8.536	0.42	0.42	4154	4154
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		139	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
	non noble metal	copper	7440-50-8	947.445	46.10	46.16	461141	461742
wire	non noble metal	aluminium	7429-90-5	8.376	0.41	0.41	4077	4077
encapsulation	organic material	carbon black	1333-86-4	10.627	0.52		5172	
	plastics	epoxy resin	-	173.155	8.43		84278	
	inorganic material	silicon dioxide	60676-86-0	890.054	43.32	52.27	433207	522657
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5400	5400
solder	non noble metal	antimony	7440-36-0	0.405	0.02		197	
	noble metal	silver	7440-22-4	1.012	0.05		492	
	non noble metal	tin	7440-31-5	2.631	0.13	0.20	1281	1970
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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.

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