

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA045N10N3 G	**Issued**	25. March 2021
MA#	MA000933792		
Package	PG-TO220-3-253	**Weight***	2138.05 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	8.861	0.41	0.41	4144	4144
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		669	
	non noble metal	copper	7440-50-8	1,428.770	66.83	66.92	668258	669128
wire	non noble metal	aluminium	7429-90-5	12.606	0.59	0.59	5896	5896
encapsulation	organic material	carbon black	1333-86-4	3.292	0.15		1540	
	plastics	epoxy resin	-	128.394	6.01		60052	
	inorganic material	silicondioxide	60676-86-0	526.747	24.64	30.80	246368	307960
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10038	10038
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	825	825
solder	non noble metal	antimony	7440-36-0	0.429	0.02		201	
	noble metal	silver	7440-22-4	1.074	0.05		502	
	non noble metal	tin	7440-31-5	2.791	0.13	0.20	1306	2009
*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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