

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP041N04N G	**Issued**	18. August 2021
MA#	MA005569491		
Package	PG-TO220-3-324	**Weight***	1924.75 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	2.247	0.12	0.12	1167	1167
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.47	75.57	754779	755762
wire	non noble metal	aluminium	7429-90-5	6.342	0.33	0.33	3295	3295
encapsulation	organic material	carbon black	1333-86-4	2.257	0.12		1173	
	inorganic material	zinc borate	-	42.885	2.23		22281	
	plastics	epoxy resin	-	90.284	4.69		46907	
	inorganic material	silicondioxide	60676-86-0	315.995	16.42	23.46	164174	234535
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3918	3918
plating	non noble metal	nickel	7440-02-0	1.043	0.05	0.05	542	542
solder	non noble metal	antimony	7440-36-0	0.150	0.01		78	
	noble metal	silver	7440-22-4	0.376	0.02		195	
	non noble metal	tin	7440-31-5	0.977	0.05	0.08	508	781
*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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