



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP052N06L3 G	Issued	24. February 2022
MA#	MA005679877		
Package	PG-TO220-3-324	Weight*	1925.48 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	3.393	0.18	0.18	1762	1762
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.44	75.54	754496	755478
wire	non noble metal	aluminium	7429-90-5	6.581	0.34	0.34	3418	3418
encapsulation	organic material	carbon black	1333-86-4	2.251	0.12		1169	
	inorganic material	zinc borate	-	42.767	2.22		22211	
	plastics	epoxy resin	-	90.036	4.68		46760	
	inorganic material	silicondioxide	60676-86-0	315.124	16.37	23.39	163660	233800
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3917	3917
plating	non noble metal	nickel	7440-02-0	1.043	0.05	0.05	542	542
solder	non noble metal	antimony	7440-36-0	0.208	0.01		108	
	noble metal	silver	7440-22-4	0.521	0.03		271	
	non noble metal	tin	7440-31-5	1.355	0.07	0.11	704	1083
*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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