Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP042N03L G	**Issued**	24. June 2021
MA#	MA005552297		
Package	PG-TO220-3-324	**Weight***	1924.10 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	1.734	0.09	0.09	901	901
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	75.50	75.60	755036	756019
wire	non noble metal	aluminium	7429-90-5	5.099	0.26	0.26	2650	2650
encapsulation	organic material	carbon black	1333-86-4	2.264	0.12		1177	
	inorganic material	zinc borate	-	43.014	2.24		22355	
	plastics	epoxy resin	-	90.555	4.71		47064	
	inorganic material	silicondioxide	60676-86-0	316.944	16.47	23.54	164723	235319
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3920	3920
plating	non noble metal	nickel	7440-02-0	1.043	0.05	0.05	542	542
solder	non noble metal	antimony	7440-36-0	0.125	0.01		65	
	noble metal	silver	7440-22-4	0.312	0.02		162	
	non noble metal	tin	7440-31-5	0.811	0.04	0.07	422	649
*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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