

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD050N03L G	**Issued**	24. February 2022
MA#	MA005700887		
Package	PG-TO252-3-311	**Weight***	317.62 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	1.415	0.45	0.45	4455	4455
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		135	
	non noble metal	iron	7439-89-6	0.143	0.05		451	
	non noble metal	copper	7440-50-8	143.098	45.04	45.10	450534	451120
wire	non noble metal	aluminium	7429-90-5	2.724	0.86	0.86	8577	8577
encapsulation	organic material	carbon black	1333-86-4	0.320	0.10		1009	
	plastics	epoxy resin	-	19.336	6.09		60878	
	inorganic material	silicondioxide	60676-86-0	125.945	39.65	45.84	396529	458416
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11775	11775
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	272	273
solder	non noble metal	tin	7440-31-5	0.031	0.01		99	
	noble metal	silver	7440-22-4	0.039	0.01		123	
	non noble metal	lead	7439-92-1	1.494	0.47	0.49	4705	4927
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	6.04	6.05	60379	60457
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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