

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD050N03L G	**Issued**	4. February 2020
MA#	MA005349745		
Package	PG-TO252-3-345	**Weight***	337.59 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	0.42	0.42	4192	4192
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		171	
	non noble metal	iron	7439-89-6	0.193	0.06		571	
	non noble metal	copper	7440-50-8	192.629	57.06	57.14	570606	571348
wire	non noble metal	aluminium	7429-90-5	2.469	0.73	0.73	7314	7314
encapsulation	organic material	carbon black	1333-86-4	0.408	0.12		1210	
	plastics	epoxy resin	-	12.388	3.67		36695	
	inorganic material	silicondioxide	60676-86-0	123.335	36.53	40.32	365342	403247
leadfinish	non noble metal	tin	7440-31-5	2.562	0.76	0.76	7589	7589
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1674	1674
solder	non noble metal	tin	7440-31-5	0.031	0.01		93	
	noble metal	silver	7440-22-4	0.039	0.01		116	
	non noble metal	lead	7439-92-1	1.494	0.44	0.46	4427	4636
*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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