

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD036N04L G	**Issued**	16. May 2021
MA#	MA005346124		
Package	PG-TO252-3-313	**Weight***	319.62 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	2.247	0.70	0.70	7030	7030
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	iron	7439-89-6	0.147	0.05		461	
	non noble metal	copper	7440-50-8	147.096	46.02	46.08	460227	460826
wire	non noble metal	aluminium	7429-90-5	5.775	1.81	1.81	18068	18068
encapsulation	inorganic material	zincoxide	1314-13-2	1.378	0.43		4311	
	miscellaneous	miscellaneous	-	6.889	2.16		21555	
	plastics	epoxy resin	-	20.668	6.47		64666	
	inorganic material	silicondioxide	60676-86-0	108.853	34.06	43.12	340573	431105
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11702	11702
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4444	4455
solder	non noble metal	tin	7440-31-5	0.043	0.01		135	
	noble metal	silver	7440-22-4	0.054	0.02		168	
	non noble metal	lead	7439-92-1	2.056	0.64	0.67	6432	6735
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	6.00	6.01	60001	60079
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com