



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD031N03L G	Issued	01. May 2021
MA#	MA000638990		
Package	PG-TO252-3-311	Weight*	318.76 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	7049	7049
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		135	
	non noble metal	iron	7439-89-6	0.143	0.04		450	
	non noble metal	copper	7440-50-8	143.098	44.90	44.95	448926	449511
wire	non noble metal	aluminium	7429-90-5	4.710	1.48	1.48	14777	14777
encapsulation	organic material	carbon black	1333-86-4	0.315	0.10		989	
	plastics	epoxy resin	-	19.035	5.97		59715	
	inorganic material	silicondioxide	60676-86-0	123.983	38.90	44.97	388960	449664
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11733	11733
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	271	272
solder	non noble metal	tin	7440-31-5	0.043	0.01		135	
	noble metal	silver	7440-22-4	0.054	0.02		169	
	non noble metal	lead	7439-92-1	2.056	0.64	0.67	6449	6753
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	6.02	6.03	60163	60241
*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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