



Material Content Data Sheet



Sales Product Name	IPD048N06L3 G	Issued	28. April 2021
MA#	MA000471034		
Package	PG-TO252-3-311	Weight*	316.18 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	3.393	1.07	1.07	10732	10732
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		136	
	non noble metal	iron	7439-89-6	0.143	0.05		453	
	non noble metal	copper	7440-50-8	143.098	45.25	45.31	452582	453171
wire	non noble metal	aluminium	7429-90-5	5.268	1.67	1.67	16660	16660
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.935	0.61		6120	
	plastics	brominated resin	-	2.073	0.66		6557	
	organic material	carbon black	1333-86-4	2.212	0.70		6995	
	plastics	epoxy resin	-	18.660	5.90		59017	
	inorganic material	silicondioxide	60676-86-0	113.342	35.85	43.72	358473	437162
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11829	11829
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	273	274
solder	non noble metal	tin	7440-31-5	0.060	0.02		189	
	noble metal	silver	7440-22-4	0.075	0.02		236	
	non noble metal	lead	7439-92-1	2.850	0.90	0.94	9015	9440
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		61	
	non noble metal	copper	7440-50-8	19.177	6.07	6.08	60653	60732
*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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