



Material Content Data Sheet



Sales Product Name				IPD050N03L G		Issued		25. September 2017	
MA#				MA000638988					
Package				PG-TO252-3-311		Weight*		317.04 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	4464	4464	
leadframe	non noble metal	iron	7439-89-6	0.143	0.05		452		
	inorganic material	phosphorus	7723-14-0	0.043	0.01		136		
	non noble metal	copper	7440-50-8	143.098	45.12	45.18	451351	451939	
wire	non noble metal	aluminium	7429-90-5	1.903	0.60	0.60	6003	6003	
encapsulation	organic material	carbon black	1333-86-4	0.321	0.10		1012		
	plastics	epoxy resin	-	19.371	6.11		61097		
	inorganic material	silicondioxide	60676-86-0	126.171	39.80	46.01	397960	460069	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11797	11797	
plating	non noble metal	nickel	7440-02-0	0.086	0.03		273		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	274	
solder	noble metal	silver	7440-22-4	0.039	0.01		122		
	non noble metal	tin	7440-31-5	0.031	0.01		98		
	non noble metal	lead	7439-92-1	1.480	0.47	0.49	4667	4887	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	iron	7439-89-6	0.019	0.01		61		
	non noble metal	copper	7440-50-8	19.177	6.05	6.06	60488	60567	
*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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