



Material Content Data Sheet



Sales Product Name				IPD050N10N5		Issued		24. January 2018	
MA#				MA001619248					
Package				PG-TO252-3-313		Weight*		318.48 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	2.258	0.71	0.71	7089	7089	
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139		
	non noble metal	iron	7439-89-6	0.147	0.05		462		
	non noble metal	copper	7440-50-8	147.096	46.20	46.26	461876	462477	
	non noble metal	aluminium	7429-90-5	4.144	1.30	1.30	13011	13011	
wire	non noble metal	aluminium	7429-90-5	4.144	1.30	1.30	13011	13011	
encapsulation	organic material	carbon black	1333-86-4	1.382	0.43		4340		
	plastics	epoxy resin	-	24.187	7.59		75946		
	inorganic material	silicondioxide	60676-86-0	112.643	35.37	43.39	353693	433979	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11744	11744	
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11		
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4460	4471	
solder	non noble metal	tin	7440-31-5	0.044	0.01		139		
	noble metal	silver	7440-22-4	0.055	0.02		173		
	non noble metal	lead	7439-92-1	2.109	0.66	0.69	6623	6935	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		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	60216	60294	
*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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