



## Material Content Data Sheet



<b>Sales Product Name</b>				IPD50P04P4L-11		<b>Issued</b>		3. October 2018	
<b>MA#</b>				MA003674386					
<b>Package</b>				PG-TO252-3-313		<b>Weight*</b>		317.63 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	1.525	0.48	0.48	4801	4801	
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139		
	non noble metal	iron	7439-89-6	0.147	0.05		464		
wire	non noble metal	copper	7440-50-8	147.096	46.31	46.37	463104	463707	
	non noble metal	aluminium	7429-90-5	2.160	0.68	0.68	6800	6800	
encapsulation	organic material	carbon black	1333-86-4	1.407	0.44		4429		
	plastics	epoxy resin	-	24.620	7.75		77512		
leadfinish	inorganic material	silicondioxide	60676-86-0	114.660	36.10	44.29	360986	442927	
	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11775	11775	
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	4472	4483	
solder	non noble metal	tin	7440-31-5	0.032	0.01		101		
	noble metal	silver	7440-22-4	0.040	0.01		126		
heatspreader	non noble metal	lead	7439-92-1	1.532	0.48	0.50	4825	5052	
	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	6.04	6.05	60377	60455	
*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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