



## Material Content Data Sheet



<b>Sales Product Name</b>				IPD50N12S3L-15		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001401766					
<b>Package</b>				PG-TO252-3-11		<b>Weight*</b>		376.22 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	4.497	1.20	1.20	11953	11953	
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		572		
	inorganic material	phosphorus	7723-14-0	0.065	0.02		172		
	non noble metal	copper	7440-50-8	215.017	57.14	57.22	571513	572257	
wire	non noble metal	aluminium	7429-90-5	37.462	9.96	9.96	99573	99573	
encapsulation	organic material	carbon black	1333-86-4	0.919	0.24		2444		
	plastics	epoxy resin	-	16.089	4.28		42765		
	inorganic material	silicondioxide	60676-86-0	74.930	19.92	24.44	199164	244373	
leadfinish	non noble metal	tin	7440-31-5	3.740	0.99	0.99	9941	9941	
plating	non noble metal	nickel	7440-02-0	0.091	0.02		241		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	242	
solder	noble metal	silver	7440-22-4	0.100	0.03		266		
	non noble metal	tin	7440-31-5	0.080	0.02		212		
	non noble metal	lead	7439-92-1	3.816	1.01	1.06	10143	10621	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		51		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15		
	non noble metal	copper	7440-50-8	19.177	5.10	5.11	50974	51040	
*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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