



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD90N08S4-05		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001610658						
<b>Package</b>		PG-TO252-3-313		<b>Weight*</b>		319.89 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	4.426	1.38	1.38	13837	13837
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	iron	7439-89-6	0.147	0.05		460	
	non noble metal	copper	7440-50-8	147.096	45.98	46.04	459831	460429
	non noble metal	aluminium	7429-90-5	4.210	1.32	1.32	13162	13162
wire	non noble metal	aluminium	7429-90-5	4.210	1.32	1.32	13162	13162
encapsulation	organic material	carbon black	1333-86-4	1.361	0.43		4256	
	plastics	epoxy resin	-	23.824	7.45		74477	
	inorganic material	silicondioxide	60676-86-0	110.954	34.68	42.56	346849	425582
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11692	11692
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4441	4452
solder	non noble metal	tin	7440-31-5	0.069	0.02		216	
	noble metal	silver	7440-22-4	0.087	0.03		270	
	non noble metal	lead	7439-92-1	3.305	1.03	1.08	10332	10818
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	6.00	6.01	59950	60028
*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.
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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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