



Material Content Data Sheet



Sales Product Name				IPD90N04S4-02		Issued		20. July 2018	
MA#				MA001610636					
Package				PG-TO252-3-313		Weight*		319.95 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	4.425	1.38	1.38	13831	13831	
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		460		
	inorganic material	phosphorus	7723-14-0	0.044	0.01		138		
	non noble metal	copper	7440-50-8	147.096	45.98	46.04	459749	460347	
wire	non noble metal	aluminium	7429-90-5	5.047	1.58	1.58	15775	15775	
encapsulation	organic material	carbon black	1333-86-4	1.354	0.42		4232		
	plastics	epoxy resin	-	23.694	7.41		74057		
	inorganic material	silicondioxide	60676-86-0	110.348	34.49	42.32	344892	423181	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11689	11689	
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	4440	4451	
solder	noble metal	silver	7440-22-4	0.086	0.03		268		
	non noble metal	tin	7440-31-5	0.069	0.02		214		
	non noble metal	lead	7439-92-1	3.272	1.02	1.07	10227	10709	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	copper	7440-50-8	19.177	5.99	6.00	59939	60017	
*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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