



Material Content Data Sheet



Sales Product Name				IPD90N06S4-05		Issued		24. January 2018	
MA#				MA001913366					
Package				PG-TO252-3-11		Weight*		371.57 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	3.393	0.91	0.91	9132	9132	
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		174		
	non noble metal	iron	7439-89-6	0.215	0.06		579		
wire	non noble metal	copper	7440-50-8	215.017	57.85	57.93	578678	579431	
	non noble metal	aluminium	7429-90-5	4.557	1.23	1.23	12265	12265	
encapsulation	organic material	carbon black	1333-86-4	1.223	0.33		3291		
	plastics	epoxy resin	-	21.402	5.76		57601		
leadfinish	inorganic material	silicondioxide	60676-86-0	99.674	26.83	32.92	268255	329147	
	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10066	10066	
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	244	245	
solder	non noble metal	tin	7440-31-5	0.060	0.02		161		
	noble metal	silver	7440-22-4	0.075	0.02		201		
heatspreader	non noble metal	lead	7439-92-1	2.850	0.77	0.81	7672	8034	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15		
*deviation	non noble metal	iron	7439-89-6	0.019	0.01		52		
	non noble metal	copper	7440-50-8	19.177	5.16	5.17	51613	51680	
						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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