



Material Content Data Sheet



Sales Product Name				IPD90N06S4L-03		Issued		24. January 2018	
MA#				MA001910636					
Package				PG-TO252-3-11		Weight*		372.78 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	5.184	1.39	1.39	13906	13906	
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		173		
	non noble metal	iron	7439-89-6	0.215	0.06		578		
	non noble metal	copper	7440-50-8	215.017	57.69	57.77	576797	577548	
	non noble metal	aluminium	7429-90-5	5.037	1.35	1.35	13512	13512	
wire	non noble metal	aluminium	7429-90-5	5.037	1.35	1.35	13512	13512	
encapsulation	organic material	carbon black	1333-86-4	1.202	0.32		3225		
	plastics	epoxy resin	-	21.037	5.64		56433		
	inorganic material	silicondioxide	60676-86-0	97.973	26.28	32.24	262819	322477	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.00	1.00	10033	10033	
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	0.080	0.02		215		
	noble metal	silver	7440-22-4	0.100	0.03		269		
	non noble metal	lead	7439-92-1	3.833	1.03	1.08	10283	10767	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		15		
	non noble metal	iron	7439-89-6	0.019	0.01		52		
	non noble metal	copper	7440-50-8	19.177	5.14	5.15	51445	51512	
*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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