



Material Content Data Sheet



Sales Product Name		IPD50N12S3L-15		Issued		24. January 2018			
MA#		MA001659170							
Package		PG-TO252-3-11		Weight*		372.50 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	1.21	1.21	12073	12073	
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		578		
	inorganic material	phosphorus	7723-14-0	0.065	0.02		173		
	non noble metal	copper	7440-50-8	215.017	57.71	57.79	577234	577985	
wire	non noble metal	aluminium	7429-90-5	3.746	1.01	1.01	10057	10057	
encapsulation	organic material	carbon black	1333-86-4	1.219	0.33		3273		
	plastics	epoxy resin	-	21.337	5.73		57281		
	inorganic material	silicondioxide	60676-86-0	99.369	26.68	32.74	266766	327320	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.00	1.00	10041	10041	
plating	non noble metal	nickel	7440-02-0	0.091	0.02		244		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	245	
solder	noble metal	silver	7440-22-4	0.100	0.03		268		
	non noble metal	tin	7440-31-5	0.080	0.02		215		
	non noble metal	lead	7439-92-1	3.816	1.02	1.07	10245	10728	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		52		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15		
	non noble metal	copper	7440-50-8	19.177	5.15	5.16	51484	51551	
*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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