



Material Content Data Sheet



Sales Product Name		IPD50N12S3L-15		Issued		19. January 2018		
MA#		MA001401766						
Package		PG-TO252-3-11		Weight*		376.22 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	1.20	1.20	11953	11953
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		572	
	inorganic material	phosphorus	7723-14-0	0.065	0.02		172	
	non noble metal	copper	7440-50-8	215.017	57.14	57.22	571513	572257
wire	non noble metal	aluminium	7429-90-5	37.462	9.96	9.96	99573	99573
encapsulation	organic material	carbon black	1333-86-4	0.919	0.24		2444	
	plastics	epoxy resin	-	16.089	4.28		42765	
	inorganic material	silicondioxide	60676-86-0	74.930	19.92	24.44	199164	244373
leadfinish	non noble metal	tin	7440-31-5	3.740	0.99	0.99	9941	9941
plating	non noble metal	nickel	7440-02-0	0.091	0.02		241	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	242
solder	noble metal	silver	7440-22-4	0.100	0.03		266	
	non noble metal	tin	7440-31-5	0.080	0.02		212	
	non noble metal	lead	7439-92-1	3.816	1.01	1.06	10143	10621
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		51	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15	
	non noble metal	copper	7440-50-8	19.177	5.10	5.11	50974	51040
*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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