



Material Content Data Sheet



Sales Product Name				IPD70N12S3L-12		Issued		24. January 2018	
MA#				MA001913422					
Package				PG-TO252-3-11		Weight*		373.44 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	5.833	1.56	1.56	15620	15620	
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		173		
	non noble metal	iron	7439-89-6	0.215	0.06		577		
wire	non noble metal	copper	7440-50-8	215.017	57.58	57.66	575775	576525	
	non noble metal	aluminium	7429-90-5	4.499	1.20	1.20	12048	12048	
encapsulation	organic material	carbon black	1333-86-4	1.200	0.32		3214		
	plastics	epoxy resin	-	21.004	5.62		56246		
leadfinish	inorganic material	silicondioxide	60676-86-0	97.821	26.19	32.13	261946	321406	
	non noble metal	tin	7440-31-5	3.740	1.00	1.00	10015	10015	
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	243	244	
solder	non noble metal	tin	7440-31-5	0.095	0.03		254		
	noble metal	silver	7440-22-4	0.119	0.03		318		
heatspreader	non noble metal	lead	7439-92-1	4.537	1.22	1.28	12150	12722	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15		
*deviation	non noble metal	iron	7439-89-6	0.019	0.01		51		
	non noble metal	copper	7440-50-8	19.177	5.14	5.15	51354	51420	
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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