



Material Content Data Sheet



Sales Product Name		IPD30N12S3L-31		Issued		20. July 2018		
MA#		MA001400780						
Package		PG-TO252-3-11		Weight*		372.67 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	2.345	0.63	0.63	6292	6292
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	57.69	57.77	576964	577715
wire	non noble metal	aluminium	7429-90-5	18.650	5.00	5.00	50046	50046
encapsulation	organic material	carbon black	1333-86-4	1.107	0.30		2970	
	plastics	epoxy resin	-	19.370	5.20		51976	
	inorganic material	silicondioxide	60676-86-0	90.209	24.21	29.71	242061	297007
leadfinish	non noble metal	tin	7440-31-5	3.740	1.00	1.00	10036	10036
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	0.066	0.02		178	
	non noble metal	tin	7440-31-5	0.053	0.01		143	
	non noble metal	lead	7439-92-1	2.538	0.68	0.71	6811	7132
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	51460	51527
*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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