



Material Content Data Sheet



Sales Product Name				IPD50N03S2-07		Issued		24. January 2018	
MA#				MA001811466					
Package				PG-TO252-3-11		Weight*		371.63 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	4.029	1.08	1.08	10840	10840	
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		174		
	non noble metal	iron	7439-89-6	0.215	0.06		579		
wire	non noble metal	copper	7440-50-8	215.017	57.86	57.94	578585	579338	
	non noble metal	aluminium	7429-90-5	2.278	0.61	0.61	6130	6130	
encapsulation	organic material	carbon black	1333-86-4	1.238	0.33		3330		
	plastics	epoxy resin	-	21.658	5.83		58278		
leadfinish	inorganic material	silicondioxide	60676-86-0	100.863	27.14	33.30	271411	333019	
	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10064	10064	
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	0.065	0.02		174		
	noble metal	silver	7440-22-4	0.081	0.02		217		
heatspreader	non noble metal	lead	7439-92-1	3.085	0.83	0.87	8301	8692	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		16		
	non noble metal	iron	7439-89-6	0.019	0.01		52		
	non noble metal	copper	7440-50-8	19.177	5.16	5.17	51604	51672	
*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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