



Material Content Data Sheet



Sales Product Name		IPD320N20N3 G		Issued		19. July 2018		
MA#		MA001344454						
Package		PG-TO252-3-313		Weight*		321.47 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	6.322	1.97	1.97	19666	19666
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		458	
	inorganic material	phosphorus	7723-14-0	0.044	0.01		137	
	non noble metal	copper	7440-50-8	147.096	45.75	45.81	457572	458167
wire	non noble metal	aluminium	7429-90-5	4.474	1.39	1.39	13918	13918
encapsulation	organic material	carbon black	1333-86-4	1.341	0.42		4171	
	plastics	epoxy resin	-	23.462	7.30		72984	
	inorganic material	silicondioxide	60676-86-0	109.266	33.99	41.71	339896	417051
leadfinish	non noble metal	tin	7440-31-5	3.740	1.16	1.16	11634	11634
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4419	4430
solder	noble metal	silver	7440-22-4	0.124	0.04		385	
	non noble metal	tin	7440-31-5	0.099	0.03		308	
	non noble metal	lead	7439-92-1	4.728	1.47	1.54	14708	15401
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	copper	7440-50-8	19.177	5.97	5.98	59655	59733
*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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