



Material Content Data Sheet



Sales Product Name				IPI180N10N3 G		Issued		19. July 2018	
MA#				MA000801572					
Package				PG-TO262-3-1		Weight*		1567.95 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	2.307	0.14	0.14	1422	1422	
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		524		
	inorganic material	phosphorus	7723-14-0	0.255	0.02		157		
	non noble metal	copper	7440-50-8	849.682	52.35	52.42	523671	524352	
wire	non noble metal	aluminium	7429-90-5	3.386	0.21	0.21	2087	2087	
encapsulation	organic material	carbon black	1333-86-4	5.880	0.36		3624		
	plastics	epoxy resin	-	111.724	6.89		68857		
	inorganic material	silicondioxide	60676-86-0	470.415	28.99	36.24	289923	362404	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.94	0.94	9367	9367	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		141		
	inorganic material	phosphorus	7723-14-0	0.001	3.37	3.38	33651	33792	
solder	non noble metal	antimony	7440-36-0	0.167	0.01		103		
	noble metal	silver	7440-22-4	0.418	0.03		258		
	non noble metal	tin	7440-31-5	1.088	0.07	0.11	670	1031	
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		66		
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	copper	7440-50-8	106.210	6.55	6.56	65459	65545	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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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 does not use any exemption

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com