



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI045N10N3 G		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001709824						
<b>Package</b>		PG-TO262-3-22		<b>Weight*</b>		1566.89 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	8.861	0.57	0.57	5655	5655
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		543	
	non noble metal	copper	7440-50-8	849.682	54.21	54.28	542273	542979
	non noble metal	aluminium	7429-90-5	9.462	0.60	0.60	6039	6039
wire	non noble metal	aluminium	7429-90-5	9.462	0.60	0.60	6039	6039
encapsulation	organic material	carbon black	1333-86-4	2.281	0.15		1456	
	plastics	epoxy resin	-	66.153	4.22		42219	
	inorganic material	silicondioxide	60676-86-0	501.849	32.03	36.40	320283	363958
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9699	9699
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1054	1054
solder	non noble metal	antimony	7440-36-0	0.430	0.03		274	
	noble metal	silver	7440-22-4	1.075	0.07		686	
	non noble metal	tin	7440-31-5	2.795	0.18	0.28	1784	2744
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.78	6.79	67784	67872
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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