



## Material Content Data Sheet



<b>Sales Product Name</b>				IPI180N10N3 G		<b>Issued</b>		25. January 2018	
<b>MA#</b>				MA000801572					
<b>Package</b>				PG-TO262-3-1		<b>Weight*</b>		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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