



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP057N06N3 G		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000765682						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2033.12 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	3.393	0.17	0.17	1669	1669
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	401027	401549
wire	non noble metal	aluminium	7429-90-5	58.285	2.87	2.87	28668	28668
encapsulation	organic material	carbon black	1333-86-4	2.157	0.11		1061	
	plastics	epoxy resin	-	62.548	3.08		30765	
	inorganic material	silicondioxide	60676-86-0	474.503	23.34	26.53	233386	265212
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10688	10688
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	878	878
solder	non noble metal	antimony	7440-36-0	0.209	0.01		103	
	noble metal	silver	7440-22-4	0.522	0.03		257	
	non noble metal	tin	7440-31-5	1.357	0.07	0.11	667	1027
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.99	29.03	289932	290309
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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