



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP032N06N3 G		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA005349304						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2028.38 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	6.442	0.32	0.32	3176	3176
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.19	40.24	401963	402486
	non noble metal	aluminium	7429-90-5	10.809	0.53	0.53	5329	5329
wire	non noble metal	aluminium	7429-90-5	10.809	0.53	0.53	5329	5329
encapsulation	organic material	carbon black	1333-86-4	2.312	0.11		1140	
	plastics	epoxy resin	-	67.048	3.31		33055	
	inorganic material	silicondioxide	60676-86-0	508.641	25.08	28.50	250762	284957
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10581	10581
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.328	0.02		161	
	noble metal	silver	7440-22-4	0.819	0.04		404	
	non noble metal	tin	7440-31-5	2.129	0.10	0.16	1050	1615
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.06	29.10	290609	290987
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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