



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP126N10N3 G		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA005337020						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2026.26 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	3.094	0.15	0.15	1527	1527
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.23	40.28	402386	402910
	non noble metal	aluminium	7429-90-5	6.054	0.30	0.30	2988	2988
wire	non noble metal	aluminium	7429-90-5	6.054	0.30	0.30	2988	2988
encapsulation	organic material	carbon black	1333-86-4	2.341	0.12		1155	
	plastics	epoxy resin	-	67.882	3.35		33501	
	inorganic material	silicondioxide	60676-86-0	514.968	25.41	28.88	254148	288804
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10592	10592
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.206	0.01		102	
	noble metal	silver	7440-22-4	0.515	0.03		254	
	non noble metal	tin	7440-31-5	1.340	0.07	0.11	661	1017
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	29.09	29.13	290914	291292
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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