



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP023NE7N3 G		<b>Issued</b>		20. April 2015		
<b>MA#</b>		MA000998496						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2031.31 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	12.294	0.61	0.61	6052	6052
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401382	401905
wire	non noble metal	aluminium	7429-90-5	10.158	0.50	0.50	5000	5000
encapsulation	organic material	carbon black	1333-86-4	2.293	0.11		1129	
	plastics	epoxy resin	-	66.500	3.27		32738	
	inorganic material	silicondioxide	60676-86-0	504.482	24.84	28.22	248354	282221
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10698	10698
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	879	879
solder	non noble metal	antimony	7440-36-0	0.543	0.03		268	
	noble metal	silver	7440-22-4	1.359	0.07		669	
	non noble metal	tin	7440-31-5	3.533	0.17	0.27	1739	2676
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290191	290569
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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