



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP034NE7N3 G		<b>Issued</b>		19. July 2016	
<b>MA#</b>				MA000933794					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2043.97 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	7.048	0.34	0.34	3448	3448	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		399		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	39.89	39.94	398898	399418	
wire	non noble metal	aluminium	7429-90-5	101.088	4.95	4.95	49457	49457	
encapsulation	organic material	carbon black	1333-86-4	5.040	0.25		2466		
	plastics	epoxy resin	-	95.756	4.68		46848		
	inorganic material	silicondioxide	60676-86-0	403.183	19.73	24.66	197255	246569	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10500	10500	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		119		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	119	
solder	non noble metal	antimony	7440-36-0	0.352	0.02		172		
	noble metal	silver	7440-22-4	0.879	0.04		430		
	non noble metal	tin	7440-31-5	2.285	0.11	0.17	1118	1720	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		289		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.84	28.88	288393	288769	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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