



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP17N25S3-100		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA001035854						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2035.97 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	4.114	0.20	0.20	2020	2020
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.06	40.11	400464	400986
wire	non noble metal	aluminium	7429-90-5	5.587	0.27	0.27	2744	2744
encapsulation	organic material	carbon black	1333-86-4	8.913	0.44		4378	
	plastics	epoxy resin	-	98.041	4.82		48154	
	inorganic material	silicondioxide	60676-86-0	487.235	23.93	29.19	239313	291845
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10542	10542
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	noble metal	silver	7440-22-4	0.094	0.00		46	
	non noble metal	tin	7440-31-5	0.075	0.00		37	
	non noble metal	lead	7439-92-1	3.577	0.18	0.18	1757	1840
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.95	28.99	289526	289903
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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