



## Material Content Data Sheet



<b>Sales Product Name</b>		SPP08N80C3		<b>Issued</b>		10. February 2016		
<b>MA#</b>		MA000669646						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2035.72 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	6.828	0.34	0.34	3354	3354
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	40.05	40.10	400514	401036
wire	non noble metal	aluminium	7429-90-5	27.573	1.35	1.35	13545	13545
encapsulation	organic material	carbon black	1333-86-4	5.692	0.28		2796	
	plastics	epoxy resin	-	108.150	5.31		53126	
	inorganic material	silicondioxide	60676-86-0	455.367	22.37	27.96	223689	279611
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10675	10675
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	non noble metal	antimony	7440-36-0	0.350	0.02		172	
	noble metal	silver	7440-22-4	0.875	0.04		430	
	non noble metal	tin	7440-31-5	2.276	0.11	0.17	1118	1720
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289562	289939
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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