



## Material Content Data Sheet



<b>Sales Product Name</b>		SPP02N80C3		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA000870986						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2026.18 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	2.280	0.11	0.11	1125	1125
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.24	40.29	402401	402925
wire	non noble metal	aluminium	7429-90-5	6.859	0.34	0.34	3385	3385
encapsulation	organic material	carbon black	1333-86-4	2.341	0.12		1155	
	plastics	epoxy resin	-	67.889	3.35		33506	
	inorganic material	silicondioxide	60676-86-0	515.020	25.42	28.89	254183	288844
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10725	10725
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	881	881
solder	non noble metal	antimony	7440-36-0	0.165	0.01		81	
	noble metal	silver	7440-22-4	0.412	0.02		203	
	non noble metal	tin	7440-31-5	1.071	0.05	0.08	528	812
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	29.09	29.13	290925	291303
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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