



## Material Content Data Sheet



<b>Sales Product Name</b>		SPP08N80C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001504086						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2030.50 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	3363	3363
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	40.16	40.21	401544	402067
wire	non noble metal	aluminium	7429-90-5	25.863	1.27	1.27	12737	12737
encapsulation	organic material	carbon black	1333-86-4	2.258	0.11		1112	
	plastics	epoxy resin	-	65.476	3.22		32246	
	inorganic material	silicondioxide	60676-86-0	496.715	24.46	27.79	244626	277984
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10570	10570
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.351	0.02		173	
	noble metal	silver	7440-22-4	0.876	0.04		432	
	non noble metal	tin	7440-31-5	2.278	0.11	0.17	1122	1727
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	29.03	29.07	290305	290683
*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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