



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA08N80C3		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001730836						
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2134.04 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	0.32	0.32	3200	3200
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		169	
	non noble metal	iron	7439-89-6	1.202	0.06		563	
	non noble metal	copper	7440-50-8	1200.685	56.26	56.34	562636	563368
	non noble metal	aluminium	7429-90-5	2.976	0.14	0.14	1394	1394
wire	non noble metal	aluminium	7429-90-5	2.976	0.14	0.14	1394	1394
encapsulation	organic material	carbon black	1333-86-4	9.026	0.42		4229	
	plastics	epoxy resin	-	146.655	6.87		68722	
	inorganic material	silicondioxide	60676-86-0	754.908	35.37	42.66	353747	426698
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3697	3697
solder	non noble metal	antimony	7440-36-0	0.351	0.02		164	
	noble metal	silver	7440-22-4	0.876	0.04		411	
	non noble metal	tin	7440-31-5	2.278	0.11	0.17	1068	1643
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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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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