



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA15N60C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001674104						
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2128.43 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	9.195	0.43	0.43	4320	4320
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		169	
	non noble metal	iron	7439-89-6	1.202	0.06		565	
	non noble metal	copper	7440-50-8	1200.685	56.41	56.49	564118	564852
	non noble metal	aluminium	7429-90-5	3.015	0.14	0.14	1416	1416
wire	non noble metal	aluminium	7429-90-5	3.015	0.14	0.14	1416	1416
encapsulation	organic material	carbon black	1333-86-4	8.982	0.42		4220	
	plastics	epoxy resin	-	144.713	6.80		67991	
	inorganic material	silicondioxide	60676-86-0	748.066	35.15	42.37	351464	423675
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3706	3706
solder	non noble metal	antimony	7440-36-0	0.432	0.02		203	
	noble metal	silver	7440-22-4	1.081	0.05		508	
	non noble metal	tin	7440-31-5	2.811	0.13	0.20	1320	2031
*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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