



## Material Content Data Sheet



<b>Sales Product Name</b>		SPA20N60C3		<b>Issued</b>		20. July 2018			
<b>MA#</b>		MA001500120							
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2135.37 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	12.312	0.58	0.58	5766	5766	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		563		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		169		
	non noble metal	copper	7440-50-8	1200.685	56.23	56.31	562284	563016	
wire	non noble metal	aluminium	7429-90-5	30.405	1.42	1.42	14239	14239	
encapsulation	organic material	carbon black	1333-86-4	8.648	0.40		4050		
	plastics	epoxy resin	-	141.824	6.64		66416		
	inorganic material	silicondioxide	60676-86-0	726.671	34.03	41.07	340302	410768	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3694	3694	
solder	non noble metal	antimony	7440-36-0	0.537	0.03		252		
	noble metal	silver	7440-22-4	1.344	0.06		629		
	non noble metal	tin	7440-31-5	3.493	0.16	0.25	1636	2517	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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