



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW55N80C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001504066						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6074.39 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	39.403	0.65	0.65	6487	6487
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.71	8.72	87098	87211
wire	non noble metal	aluminium	7429-90-5	117.429	1.93	1.93	19332	19332
encapsulation	organic material	carbon black	1333-86-4	18.707	0.31		3080	
	plastics	epoxy resin	-	355.435	5.85		58514	
	inorganic material	silicondioxide	60676-86-0	1496.569	24.64	30.80	246373	307967
leadfinish	non noble metal	tin	7440-31-5	31.874	0.52	0.52	5247	5247
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4785	4785
solder	non noble metal	antimony	7440-36-0	1.367	0.02		225	
	noble metal	silver	7440-22-4	3.417	0.06		563	
	non noble metal	tin	7440-31-5	8.885	0.15	0.23	1463	2251
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		567	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.59	56.67	565983	566720
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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