



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW47N60C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001242088						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6057.92 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	30.768	0.51	0.51	5079	5079
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	8.73	8.74	87335	87448
wire	non noble metal	aluminium	7429-90-5	4.356	0.07	0.07	719	719
encapsulation	organic material	carbon black	1333-86-4	19.785	0.33		3266	
	plastics	epoxy resin	-	375.916	6.21		62054	
	inorganic material	silicondioxide	60676-86-0	1582.802	26.13	32.67	261279	326599
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5262	5262
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4798	4798
solder	non noble metal	antimony	7440-36-0	1.111	0.02		183	
	noble metal	silver	7440-22-4	2.778	0.05		459	
	non noble metal	tin	7440-31-5	7.222	0.12	0.19	1192	1834
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.73	56.81	567523	568261
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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