



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW35N60C3		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001242080						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6053.94 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	21.075	0.35	0.35	3481	3481
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87392	87506
wire	non noble metal	aluminium	7429-90-5	4.269	0.07	0.07	705	705
encapsulation	organic material	carbon black	1333-86-4	19.873	0.33		3283	
	plastics	epoxy resin	-	377.588	6.24		62371	
	inorganic material	silicondioxide	60676-86-0	1589.843	26.26	32.83	262613	328267
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.812	0.01		134	
	noble metal	silver	7440-22-4	2.029	0.03		335	
	non noble metal	tin	7440-31-5	5.275	0.09	0.13	871	1340
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.78	56.86	567895	568635
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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