



## Material Content Data Sheet



<b>Sales Product Name</b>		SGW20N60		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA000669532						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6046.95 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	4.308	0.07	0.07	712	712
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	8.75	8.76	87494	87608
wire	non noble metal	aluminium	7429-90-5	4.499	0.07	0.07	744	744
encapsulation	organic material	carbon black	1333-86-4	20.022	0.33		3311	
	plastics	epoxy resin	-	380.427	6.29		62912	
	inorganic material	silicondioxide	60676-86-0	1601.798	26.49	33.11	264894	331117
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.271	0.00		45	
	noble metal	silver	7440-22-4	0.679	0.01		112	
	non noble metal	tin	7440-31-5	1.764	0.03	0.04	292	449
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	56.86	56.94	568553	569293
*deviation	< 10%		Sum in total:			100,00		1000000

### Important Remarks:

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