



## Material Content Data Sheet



Sales Product Name	SGW10N60A			Issued		29. August 2013		
MA#	MA000669396							
Package	PG-TO247-3-41			Weight*		6045.81 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	2.461	0.04	0.04	407	407
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	87510	87624
wire	non noble metal	aluminium	7429-90-5	4.414	0.07	0.07	730	730
encapsulation	organic material	carbon black	1333-86-4	20.041	0.33		3315	
	plastics	epoxy resin	-	380.780	6.30		62983	
	inorganic material	silicondioxide	60676-86-0	1603.284	26.52	33.15	265190	331488
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.165	0.00		27	
	noble metal	silver	7440-22-4	0.414	0.01		68	
	non noble metal	tin	7440-31-5	1.075	0.02	0.03	178	273
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	568659	569399
*deviation	< 10%	Sum in total:			100,00		1000000	

### Important Remarks:

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