



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW50N60T		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA001108680						
<b>Package</b>		PG-TO247-3-21		<b>Weight*</b>		5996.54 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	4.501	0.08	0.08	751	751
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		27	
	non noble metal	copper	7440-50-8	529.068	8.82	8.83	88229	88344
wire	non noble metal	aluminium	7429-90-5	11.814	0.20	0.20	1970	1970
encapsulation	organic material	carbon black	1333-86-4	21.378	0.36		3565	
	inorganic material	antimonytrioxide	1309-64-4	44.699	0.75		7454	
	plastics	brominated resin	-	50.529	0.84		8426	
	plastics	epoxy resin	-	369.252	6.16		61578	
	inorganic material	silicondioxide	60676-86-0	1457.573	24.31	32.42	243069	324092
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5315	5315
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4847	4847
solder	non noble metal	antimony	7440-36-0	0.361	0.01		60	
	noble metal	silver	7440-22-4	0.904	0.02		151	
	non noble metal	tin	7440-31-5	2.349	0.04	0.07	392	603
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.31	57.39	573332	574078
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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