



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW50N60T		<b>Issued</b>		14. October 2015		
<b>MA#</b>		MA001413588						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6049.66 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	5.465	0.09	0.09	903	903
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	87454	87568
wire	non noble metal	aluminium	7429-90-5	12.872	0.21	0.21	2128	2128
encapsulation	organic material	carbon black	1333-86-4	19.936	0.33		3295	
	plastics	epoxy resin	-	378.790	6.26		62613	
	inorganic material	silicondioxide	60676-86-0	1594.903	26.36	32.95	263636	329544
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5335	5335
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4864	4864
solder	non noble metal	antimony	7440-36-0	0.375	0.01		62	
	noble metal	silver	7440-22-4	0.939	0.02		155	
	non noble metal	tin	7440-31-5	2.440	0.04	0.07	403	620
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568298	569038
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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