



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW30N60TP		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001383614						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6054.60 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	1.996	0.03	0.03	330	330
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87383	87496
wire	non noble metal	aluminium	7429-90-5	81.694	1.35	1.35	13493	13493
encapsulation	organic material	carbon black	1333-86-4	19.361	0.32		3198	
	plastics	epoxy resin	-	367.863	6.08		60758	
	inorganic material	silicondioxide	60676-86-0	1548.898	25.58	31.98	255821	319777
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.161	0.00		27	
	noble metal	silver	7440-22-4	0.402	0.01		66	
	non noble metal	tin	7440-31-5	1.045	0.02	0.03	173	266
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	56.77	56.85	567834	568574
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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