



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW50N60H3		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001219580						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6066.01 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	901	901
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	8.72	8.73	87219	87332
wire	non noble metal	aluminium	7429-90-5	161.431	2.66	2.66	26612	26612
encapsulation	organic material	carbon black	1333-86-4	18.622	0.31		3070	
	plastics	epoxy resin	-	353.815	5.83		58328	
	inorganic material	silicondioxide	60676-86-0	1489.748	24.56	30.70	245590	306988
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5255	5255
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4791	4791
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	402	619
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.66	56.74	566764	567502
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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