



Material Content Data Sheet



Sales Product Name		IGW20N60H3		Issued		20. July 2018		
MA#		MA001072464						
Package		PG-TO247-3-41		Weight*		6049.87 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	2.028	0.03	0.03	335	335
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	87451	87565
wire	non noble metal	aluminium	7429-90-5	41.262	0.68	0.68	6820	6820
encapsulation	organic material	carbon black	1333-86-4	19.719	0.33		3259	
	plastics	epoxy resin	-	374.660	6.19		61928	
	inorganic material	silicondioxide	60676-86-0	1577.515	26.08	32.60	260751	325938
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.151	0.00		25	
	noble metal	silver	7440-22-4	0.378	0.01		63	
	non noble metal	tin	7440-31-5	0.983	0.02	0.03	163	251
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	56.81	56.89	568278	569018
*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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