



Material Content Data Sheet



Sales Product Name		IGW20N60H3		Issued		25. January 2018		
MA#		MA001643624						
Package		PG-TO247-3-44		Weight*		6045.60 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	2.028	0.03	0.03	335	335
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87513	87627
	non noble metal	aluminium	7429-90-5	4.168	0.07	0.07	689	689
wire	non noble metal	aluminium	7429-90-5	4.168	0.07	0.07	689	689
encapsulation	organic material	carbon black	1333-86-4	20.047	0.33		3316	
	plastics	epoxy resin	-	380.896	6.30		63004	
	inorganic material	silicondioxide	60676-86-0	1603.771	26.53	33.16	265279	331599
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
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	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.86	56.94	568679	569419
*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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