



Material Content Data Sheet



Sales Product Name		IGW03N120H2		Issued		25. September 2017		
MA#		MA000550698						
Package		PG-TO247-3-41		Weight*		6045.04 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	1.920	0.03	0.03	318	318
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	87521	87635
	non noble metal	aluminium	7429-90-5	1.111	0.02	0.02	184	184
wire	non noble metal	aluminium	7429-90-5	1.111	0.02	0.02	184	184
encapsulation	organic material	carbon black	1333-86-4	20.076	0.33		3321	
	plastics	epoxy resin	-	381.438	6.31		63099	
	inorganic material	silicondioxide	60676-86-0	1606.056	26.57	33.21	265681	332101
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.126	0.00		21	
	noble metal	silver	7440-22-4	0.315	0.01		52	
	non noble metal	tin	7440-31-5	0.820	0.01	0.02	136	209
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	56.87	56.95	568732	569472
*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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