



Material Content Data Sheet



Sales Product Name		IGW40N120H3		Issued		19. July 2018		
MA#		MA000983792						
Package		PG-TO247-3-41		Weight*		6051.39 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	12.542	0.21	0.21	2073	2073
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	8.74	8.75	87429	87543
wire	non noble metal	aluminium	7429-90-5	8.131	0.13	0.13	1344	1344
encapsulation	organic material	carbon black	1333-86-4	19.914	0.33		3291	
	plastics	epoxy resin	-	378.368	6.25		62526	
	inorganic material	silicondioxide	60676-86-0	1593.127	26.33	32.91	263266	329083
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.613	0.01		101	
	noble metal	silver	7440-22-4	1.532	0.03		253	
	non noble metal	tin	7440-31-5	3.984	0.07	0.11	658	1012
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	56.80	56.88	568135	568875
*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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