



Material Content Data Sheet



Sales Product Name		IGW20N60H3		Issued		20. July 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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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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