



Material Content Data Sheet



Sales Product Name		IGW30N100T		Issued		29. August 2013		
MA#		MA000518308						
Package		PG-TO247-3-41		Weight*		6048.28 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	5.891	0.10	0.10	974	974
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	87474	87588
wire	non noble metal	aluminium	7429-90-5	7.860	0.13	0.13	1300	1300
encapsulation	organic material	carbon black	1333-86-4	19.978	0.33		3303	
	plastics	epoxy resin	-	379.573	6.28		62757	
	inorganic material	silicondioxide	60676-86-0	1598.201	26.42	33.03	264240	330300
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.360	0.01		60	
	noble metal	silver	7440-22-4	0.900	0.01		149	
	non noble metal	tin	7440-31-5	2.341	0.04	0.06	387	596
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	56.83	56.91	568427	569167
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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