



Material Content Data Sheet



Sales Product Name		IDW10G120C5B		Issued		24. January 2018		
MA#		MA001622948						
Package		PG-TO247-3-41		Weight*		6045.56 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	2.032	0.03	0.03	336	336
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	87514	87628
	non noble metal	aluminium	7429-90-5	1.801	0.03	0.03	298	298
wire	non noble metal	aluminium	7429-90-5	1.801	0.03	0.03	298	298
encapsulation	organic material	carbon black	1333-86-4	20.073	0.33		3320	
	plastics	epoxy resin	-	381.395	6.31		63087	
	inorganic material	silicondioxide	60676-86-0	1605.872	26.56	33.20	265628	332035
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	0.121	0.00		20	
	noble metal	silver	7440-22-4	0.302	0.00		50	
	non noble metal	tin	7440-31-5	0.785	0.01	0.01	130	200
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	56.88	56.96	568683	569423
*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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