



Material Content Data Sheet



Sales Product Name		IDW30G120C5B		Issued		24. January 2018		
MA#		MA001622950						
Package		PG-TO247-3-41		Weight*		6047.90 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	5.219	0.09	0.09	863	863
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	87480	87594
	non noble metal	aluminium	7429-90-5	2.596	0.04	0.04	429	429
wire	non noble metal	aluminium	7429-90-5	2.596	0.04	0.04	429	429
encapsulation	organic material	carbon black	1333-86-4	20.044	0.33		3314	
	plastics	epoxy resin	-	380.839	6.30		62971	
	inorganic material	silicondioxide	60676-86-0	1603.532	26.51	33.14	265139	331424
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	4806	4806
solder	non noble metal	antimony	7440-36-0	0.249	0.00		41	
	noble metal	silver	7440-22-4	0.622	0.01		103	
	non noble metal	tin	7440-31-5	1.617	0.03	0.04	267	411
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	56.84	56.92	568463	569203
*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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