



Material Content Data Sheet



Sales Product Name		IDW15G120C5B		Issued		1. August 2018		
MA#		MA001670482						
Package		PG-TO247-3-41		Weight*		6045.37 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.038	0.02	0.02	172	172
chip_2	inorganic material	silicon	7440-21-3	1.038	0.02	0.02	172	172
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
wire	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87516	87630
	non noble metal	aluminium	7429-90-5	1.801	0.03	0.03	298	298
encapsulation	organic material	carbon black	1333-86-4	20.068	0.33		3319	
	plastics	epoxy resin	-	381.284	6.31		63070	
leadfinish	inorganic material	silicondioxide	60676-86-0	1605.407	26.56	33.20	265560	331949
	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.156	0.00		26	
	noble metal	silver	7440-22-4	0.389	0.01		64	
heatspreader	non noble metal	tin	7440-31-5	1.012	0.02	0.03	167	257
	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	56.85	56.93	568701	569441
*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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