



Material Content Data Sheet



Sales Product Name		IDW12G65C5		Issued		20. July 2018		
MA#		MA001003278						
Package		PG-TO247-3-41		Weight*		6044.45 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	0.692	0.01	0.01	114	114
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	87530	87644
wire	non noble metal	aluminium	7429-90-5	2.333	0.04	0.04	386	386
encapsulation	organic material	carbon black	1333-86-4	20.077	0.33		3322	
	plastics	epoxy resin	-	381.457	6.31		63109	
	inorganic material	silicondioxide	60676-86-0	1606.136	26.57	33.21	265721	332152
leadfinish	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	0.057	0.00		9	
	noble metal	silver	7440-22-4	0.143	0.00		24	
	non noble metal	tin	7440-31-5	0.373	0.01	0.01	62	95
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		570	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.88	56.96	568787	569528
*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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