



## Material Content Data Sheet



<b>Sales Product Name</b>		IDD12SG60C		<b>Issued</b>		20. July 2018			
<b>MA#</b>		MA000809450							
<b>Package</b>		PG-TO252-3-311		<b>Weight*</b>		312.23 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	noble metal	gold	7440-57-5	0.067	0.02		216		
	non noble metal	tin	7440-31-5	0.017	0.01		56		
	inorganic material	silicon	7440-21-3	2.143	0.69	0.72	6864	7136	
leadframe	non noble metal	iron	7439-89-6	0.143	0.05		459		
	inorganic material	phosphorus	7723-14-0	0.043	0.01		138		
	non noble metal	copper	7440-50-8	143.098	45.81	45.87	458315	458912	
wire	non noble metal	aluminium	7429-90-5	0.986	0.32	0.32	3157	3157	
	encapsulation	organic material	carbon black	1333-86-4	1.427	0.46		4569	
		plastics	epoxy resin	-	24.964	8.00		79955	
	inorganic material	silicondioxide	60676-86-0	116.262	37.24	45.70	372363	456887	
leadfinish	non noble metal	tin	7440-31-5	3.787	1.21	1.21	12128	12128	
plating	non noble metal	nickel	7440-02-0	0.086	0.03		277		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	278	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		62		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	copper	7440-50-8	19.177	6.14	6.15	61422	61502	
*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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