



## Material Content Data Sheet



<b>Sales Product Name</b>		IDD06SG60C		<b>Issued</b>		20. July 2018			
<b>MA#</b>		MA000809448							
<b>Package</b>		PG-TO252-3-311		<b>Weight*</b>		311.92 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	0.030	0.01		95		
	non noble metal	tin	7440-31-5	0.008	0.00		25		
	inorganic material	silicon	7440-21-3	0.943	0.30	0.31	3025	3145	
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	45.88	45.94	458763	459360	
wire	non noble metal	aluminium	7429-90-5	0.470	0.15	0.15	1508	1508	
	encapsulation	organic material	carbon black	1333-86-4	1.441	0.46		4620	
		plastics	epoxy resin	-	25.219	8.09		80851	
	inorganic material	silicondioxide	60676-86-0	117.450	37.65	46.20	376536	462007	
leadfinish	non noble metal	tin	7440-31-5	3.787	1.21	1.21	12140	12140	
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	6.15	6.16	61482	61562	
*deviation	< 10%				Sum in total:		100.00	1000000	

### Important Remarks:

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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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