



Material Content Data Sheet



Sales Product Name		IDH12SG60C		Issued		31. July 2018			
MA#		MA001637738							
Package		PG-TO220-2-1		Weight*		2001.54 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	non noble metal	tin	7440-31-5	0.017	0.00		9		
	noble metal	gold	7440-57-5	0.067	0.00		33		
	inorganic material	siliconcarbide	409-21-2	2.644	0.13	0.13	1321	1363	
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		113		
	non noble metal	iron	7439-89-6	0.753	0.04		376		
	non noble metal	copper	7440-50-8	751.797	37.58	37.63	375610	376099	
wire	non noble metal	aluminium	7429-90-5	1.291	0.06	0.06	645	645	
	encapsulation	organic material	carbon black	1333-86-4	1.280	0.06		639	
		plastics	epoxy resin	-	58.864	2.94		29409	
	inorganic material	silicondioxide	60676-86-0	579.686	28.96	31.96	289619	319667	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7238	7238	
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	99	100	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		88		
	non noble metal	iron	7439-89-6	0.590	0.03		295		
	non noble metal	copper	7440-50-8	589.466	29.45	29.49	294505	294888	
*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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