



Material Content Data Sheet



Sales Product Name		IDH16G120C5		Issued		1. August 2018		
MA#		MA001622970						
Package		PG-TO220-2-1		Weight*		2001.40 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	0.035	0.00		17	
	noble metal	gold	7440-57-5	0.134	0.01		67	
	inorganic material	siliconcarbide	409-21-2	2.048	0.10	0.11	1023	1107
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	375636	376125
wire	non noble metal	aluminium	7429-90-5	1.279	0.06	0.06	639	639
encapsulation	organic material	carbon black	1333-86-4	1.280	0.06		640	
	plastics	epoxy resin	-	58.899	2.94		29429	
	inorganic material	silicondioxide	60676-86-0	580.030	28.98	31.98	289812	319881
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	294527	294910
*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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