



Material Content Data Sheet



Sales Product Name		IDH02G120C5		Issued		20. July 2018		
MA#		MA001199704						
Package		PG-TO220-2-1		Weight*		1965.90 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	0.392	0.02		199	
	noble metal	gold	7440-57-5	0.035	0.00		18	
	non noble metal	tin	7440-31-5	0.009	0.00	0.02	5	222
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383	
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
wire	non noble metal	copper	7440-50-8	751.797	38.25	38.30	382420	382918
	non noble metal	aluminium	7429-90-5	0.165	0.01	0.01	84	84
encapsulation	organic material	carbon black	1333-86-4	9.114	0.46		4636	
	plastics	epoxy resin	-	100.254	5.10		50997	
	inorganic material	silicondioxide	60676-86-0	498.233	25.34	30.90	253438	309071
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7369	7369
plating	non noble metal	nickel	7440-02-0	0.198	0.01		101	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	382419	101
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		300	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	copper	7440-50-8	589.466	29.98	30.02	299845	300235
*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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