



Material Content Data Sheet



Sales Product Name		IDH09SG60C		Issued		20. July 2018		
MA#		MA000629800						
Package		PG-TO220-2-1		Weight*		1966.44 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	1.670	0.08		849	
	noble metal	gold	7440-57-5	0.052	0.00		27	
	non noble metal	tin	7440-31-5	0.014	0.00	0.08	7	883
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383	
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
	non noble metal	copper	7440-50-8	751.797	38.23	38.28	382312	382811
wire	non noble metal	aluminium	7429-90-5	1.279	0.07	0.07	651	651
encapsulation	organic material	carbon black	1333-86-4	9.083	0.46		4619	
	plastics	epoxy resin	-	99.916	5.08		50810	
	inorganic material	silicondioxide	60676-86-0	496.550	25.25	30.79	252513	307942
leadfinish	non noble metal	tin	7440-31-5	14.668	0.75	0.75	7459	7459
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	1	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	299763	300153
*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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