



Material Content Data Sheet



Sales Product Name				IDH10G120C5		Issued		20. July 2018	
MA#				MA001349740					
Package				PG-TO220-2-1		Weight*		1966.38 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	1.046	0.05		532		
	noble metal	gold	7440-57-5	0.094	0.00		48		
	non noble metal	tin	7440-31-5	0.024	0.00	0.05	12	592	
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	382324	382823	
wire	non noble metal	aluminium	7429-90-5	1.291	0.07	0.07	657	657	
encapsulation	organic material	carbon black	1333-86-4	9.091	0.46		4623		
	plastics	epoxy resin	-	99.998	5.09		50854		
	inorganic material	silicondioxide	60676-86-0	496.961	25.27	30.82	252729	308206	
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	299772	300162	
*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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