

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDH20G120C5	**Issued**	02. June 2021
MA#	MA001694276		
Package	PG-TO220-2-1	**Weight***	2002.45 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	non noble metal	tin	7440-31-5	0.024			12	
	noble metal	gold	7440-57-5	0.094			47	
	inorganic material	siliconcarbide	409-21-2	1.441	0.07	0.07	720	779
chip_2	non noble metal	tin	7440-31-5	0.024			12	
	noble metal	gold	7440-57-5	0.094			47	
	inorganic material	siliconcarbide	409-21-2	1.441	0.07	0.07	720	779
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	37.56	37.61	375438	375927
wire	non noble metal	aluminium	7429-90-5	3.120	0.16	0.16	1558	1558
encapsulation	organic material	carbon black	1333-86-4	1.277	0.06		638	
	plastics	epoxy resin	-	58.744	2.93		29336	
	inorganic material	silicondioxide	60676-86-0	578.497	28.89	31.88	288894	318868
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7234	7234
plating	inorganic material	phosphorus	7723-14-0	0.000			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	29.44	29.48	294372	294755
*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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