



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDH16G120C5	Issued	04. April 2021
MA#	MA001622970		
Package	PG-TO220-2-1	Weight*	2001.71 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	0.017			9	
	noble metal	gold	7440-57-5	0.067			34	
	inorganic material	siliconcarbide	409-21-2	1.024	0.05	0.05	512	555
chip_2	non noble metal	tin	7440-31-5	0.017			9	
	noble metal	gold	7440-57-5	0.067			34	
	inorganic material	siliconcarbide	409-21-2	1.024	0.05	0.05	512	555
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	37.57	37.62	375576	376065
wire	non noble metal	aluminium	7429-90-5	1.592	0.08	0.08	795	795
encapsulation	organic material	carbon black	1333-86-4	1.280	0.06		640	
	plastics	epoxy resin	-	58.899	2.94		29424	
	inorganic material	silicondioxide	60676-86-0	580.030	28.98	31.98	289766	319830
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7237	7237
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	29.45	29.49	294480	294863
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com