



Material Content Data Sheet



Halogen-Free

Sales Product Name	IGB03N120H2	Issued	11. August 2021
MA#	MA000375462		
Package	PG-TO263-3-2	Weight*	1557.14 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	1.920	0.12	0.12	1233	1233
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	iron	7439-89-6	0.304	0.02		196	
	non noble metal	copper	7440-50-8	304.026	19.52	19.55	195246	195501
wire	non noble metal	aluminium	7429-90-5	0.882	0.06	0.06	566	566
encapsulation	inorganic material	zinc oxide	1314-13-2	6.898	0.44		4430	
	miscellaneous	miscellaneous	-	27.594	1.77		17721	
	plastics	epoxy resin	-	103.477	6.65		66453	
	inorganic material	silicon dioxide	60676-86-0	551.878	35.45	44.31	354416	443020
lead finish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6202	6202
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	147	148
solder	non noble metal	tin	7440-31-5	0.036			23	
	noble metal	silver	7440-22-4	0.045			29	
	non noble metal	lead	7439-92-1	1.725	0.11	0.11	1108	1160
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		106	
	non noble metal	iron	7439-89-6	0.548	0.04		352	
	non noble metal	copper	7440-50-8	547.666	35.17	35.22	351712	352170
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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