



Material Content Data Sheet



Halogen-Free

Sales Product Name	IGZ50N65H5	Issued	23. June 2021
MA#	MA005447734		
Package	PG-TO247-4-1	Weight*	6164.30 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	2.704	0.04	0.04	439	439
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		469	
	non noble metal	copper	7440-50-8	2,885.760	46.82	46.88	468140	468750
wire	non noble metal	aluminium	7429-90-5	8.484	0.14	0.14	1376	1376
encapsulation	organic material	carbon black	1333-86-4	20.119	0.33		3264	
	plastics	epoxy resin	-	382.254	6.20		62011	
	inorganic material	silicondioxide	60676-86-0	1,609.488	26.11	32.64	261098	326373
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3745	3745
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.219			35	
	noble metal	silver	7440-22-4	0.547	0.01		89	
	non noble metal	tin	7440-31-5	1.422	0.02	0.03	231	355
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1,222.919	19.84	19.87	198387	198646
*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.
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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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