

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMZ120R140M1H	**Issued**	05. April 2021
MA#	MA001949448		
Package	PG-TO247-4-1	**Weight***	6161.09 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	1.434	0.02	0.02	233	233
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	46.85	46.91	468384	468994
wire	non noble metal	aluminium	7429-90-5	1.470	0.02	0.02	239	239
encapsulation	organic material	carbon black	1333-86-4	20.183	0.33		3276	
	plastics	epoxy resin	-	383.485	6.22		62243	
	inorganic material	silicondioxide	60676-86-0	1,614.674	26.21	32.76	262076	327595
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3747	3747
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.078			13	
	noble metal	silver	7440-22-4	0.196			32	
	non noble metal	tin	7440-31-5	0.508	0.01	0.01	82	127
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	19.85	19.88	198490	198749
*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