

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW20N120R5	**Issued**	18. April 2021
MA#	MA005429369		
Package	PG-TO247-3-48	**Weight***	5964.36 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	4.384	0.07	0.07	735	735
leadframe	inorganic material	phosphorus	7723-14-0	0.159			27	
	non noble metal	iron	7439-89-6	0.530	0.01		89	
	non noble metal	copper	7440-50-8	529.068	8.87	8.88	88705	88821
wire	non noble metal	aluminium	7429-90-5	5.093	0.09	0.09	854	854
encapsulation	organic material	carbon black	1333-86-4	9.596	0.16		1609	
	plastics	epoxy resin	-	383.828	6.44		64353	
	inorganic material	silicondioxide	60676-86-0	1,525.714	25.58	32.18	255805	321767
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5344	5344
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4873	4873
solder	non noble metal	antimony	7440-36-0	0.257			43	
	noble metal	silver	7440-22-4	0.643	0.01		108	
	non noble metal	tin	7440-31-5	1.672	0.03	0.04	280	431
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		173	
	non noble metal	iron	7439-89-6	3.442	0.06		577	
	non noble metal	copper	7440-50-8	3,438.006	57.64	57.72	576425	577175
*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