

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW20N120R5	**Issued**	02. April 2021
MA#	MA001605264		
Package	PG-TO247-3-41	**Weight***	6047.81 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	725	725
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87481	87595
wire	non noble metal	aluminium	7429-90-5	5.093	0.08	0.08	842	842
encapsulation	organic material	carbon black	1333-86-4	20.026	0.33		3311	
	plastics	epoxy resin	-	380.490	6.29		62914	
	inorganic material	silicondioxide	60676-86-0	1,602.063	26.49	33.11	264900	331125
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.257			43	
	noble metal	silver	7440-22-4	0.643	0.01		106	
	non noble metal	tin	7440-31-5	1.672	0.03	0.04	276	425
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.85	56.93	568472	569212
*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.

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