



Material Content Data Sheet



Halogen-Free

Sales Product Name	IHW30N160R5	Issued	17. February 2022
MA#	MA005619598		
Package	PG-TO247-3-44	Weight*	5967.17 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	7.656	0.13	0.13	1283	1283
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		666	
	non noble metal	copper	7440-50-8	3,967.074	66.47	66.56	664815	665681
wire	non noble metal	aluminium	7429-90-5	10.404	0.17	0.17	1744	1744
encapsulation	organic material	carbon black	1333-86-4	9.561	0.16		1602	
	plastics	epoxy resin	-	382.436	6.41		64090	
	inorganic material	silicondioxide	60676-86-0	1,520.184	25.48	32.05	254758	320450
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5342	5342
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4871	4871
solder	non noble metal	antimony	7440-36-0	0.375	0.01		63	
	noble metal	silver	7440-22-4	0.939	0.02		157	
	non noble metal	tin	7440-31-5	2.440	0.04	0.07	409	629
*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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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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