



Material Content Data Sheet



Halogen-Free

Sales Product Name	IHW40N135R5	Issued	14. February 2022
MA#	MA005621430		
Package	PG-TO247-3-44	Weight*	5967.63 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	8.343	0.14	0.14	1398	1398
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	66.46	66.55	664765	665631
wire	non noble metal	aluminium	7429-90-5	10.304	0.17	0.17	1727	1727
encapsulation	organic material	carbon black	1333-86-4	9.558	0.16		1602	
	plastics	epoxy resin	-	382.320	6.41		64066	
	inorganic material	silicondioxide	60676-86-0	1,519.723	25.47	32.04	254661	320329
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5341	5341
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4870	4870
solder	non noble metal	antimony	7440-36-0	0.421	0.01		70	
	noble metal	silver	7440-22-4	1.051	0.02		176	
	non noble metal	tin	7440-31-5	2.733	0.05	0.08	458	704
*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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