



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW15N120H3	Issued	12. August 2021
MA#	MA005623260		
Package	PG-TO247-3-44	Weight*	5967.00 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	5.469	0.09	0.09	916	916
chip_2	inorganic material	silicon	7440-21-3	1.571	0.03	0.03	263	263
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	66.48	66.57	664836	665702
wire	non noble metal	aluminium	7429-90-5	9.577	0.16	0.16	1605	1605
encapsulation	organic material	carbon black	1333-86-4	9.566	0.16		1603	
	plastics	epoxy resin	-	382.633	6.41		64125	
	inorganic material	silicondioxide	60676-86-0	1,520.965	25.49	32.06	254896	320624
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	0.404	0.01		68	
	noble metal	silver	7440-22-4	1.010	0.02		169	
	non noble metal	tin	7440-31-5	2.625	0.04	0.07	440	677
*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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