



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW15N120CS7	Issued	23. June 2021
MA#	MA005430785		
Package	PG-TO247-3-44	Weight*	5964.72 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	2.056	0.03	0.03	345	345
chip_2	inorganic material	silicon	7440-21-3	4.172	0.07	0.07	699	699
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	66.50	66.59	665089	665955
wire	non noble metal	aluminium	7429-90-5	7.639	0.13	0.13	1281	1281
encapsulation	organic material	carbon black	1333-86-4	9.570	0.16		1604	
	plastics	epoxy resin	-	382.788	6.42		64175	
	inorganic material	silicondioxide	60676-86-0	1,521.583	25.51	32.09	255097	320876
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	0.373	0.01		63	
	noble metal	silver	7440-22-4	0.934	0.02		157	
	non noble metal	tin	7440-31-5	2.428	0.04	0.07	407	627
*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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