



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKW15N120CS7	<b>Issued</b>	12. August 2021
<b>MA#</b>	MA005625360		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	5966.56 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	66.48	66.57	664884	665750
wire	non noble metal	aluminium	7429-90-5	9.483	0.16	0.16	1589	1589
encapsulation	organic material	carbon black	1333-86-4	9.570	0.16		1604	
	plastics	epoxy resin	-	382.788	6.42		64156	
	inorganic material	silicondioxide	60676-86-0	1,521.583	25.50	32.08	255018	320778
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	0.373	0.01		63	
	noble metal	silver	7440-22-4	0.934	0.02		156	
	non noble metal	tin	7440-31-5	2.428	0.04	0.07	407	626
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com