



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKW50N60H3	<b>Issued</b>	08. February 2022
<b>MA#</b>	MA005620774		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6053.88 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	1.539	0.03	0.03	254	254
chip_2	inorganic material	silicon	7440-21-3	5.465	0.09	0.09	903	903
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87393	87507
wire	non noble metal	aluminium	7429-90-5	18.289	0.30	0.30	3021	3021
encapsulation	organic material	carbon black	1333-86-4	19.904	0.33		3288	
	plastics	epoxy resin	-	378.185	6.25		62470	
	inorganic material	silicondioxide	60676-86-0	1,592.359	26.30	32.88	263031	328789
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.496	0.01		82	
	noble metal	silver	7440-22-4	1.240	0.02		205	
	non noble metal	tin	7440-31-5	3.223	0.05	0.08	532	819
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.78	56.86	567901	568641
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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