



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW50N60DTP	Issued	14. February 2022
MA#	MA005619139		
Package	PG-TO247-3-44	Weight*	6052.99 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	1.381	0.02	0.02	228	228
chip_2	inorganic material	silicon	7440-21-3	3.442	0.06	0.06	569	569
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	87406	87520
wire	non noble metal	aluminium	7429-90-5	19.497	0.32	0.32	3221	3221
encapsulation	organic material	carbon black	1333-86-4	19.917	0.33		3290	
	plastics	epoxy resin	-	378.416	6.25		62517	
	inorganic material	silicondioxide	60676-86-0	1,593.331	26.32	32.90	263230	329037
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.383	0.01		63	
	noble metal	silver	7440-22-4	0.958	0.02		158	
	non noble metal	tin	7440-31-5	2.491	0.04	0.07	411	632
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	56.79	56.87	567985	568725
*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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