



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW20N60T	Issued	08. February 2022
MA#	MA005624429		
Package	PG-TO247-3-44	Weight*	6048.83 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	1.102	0.02	0.02	182	182
chip_2	inorganic material	silicon	7440-21-3	2.028	0.03	0.03	335	335
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	8.75	8.76	87466	87580
wire	non noble metal	aluminium	7429-90-5	9.835	0.16	0.16	1626	1626
encapsulation	organic material	carbon black	1333-86-4	20.003	0.33		3307	
	plastics	epoxy resin	-	380.053	6.28		62831	
	inorganic material	silicondioxide	60676-86-0	1,600.224	26.46	33.07	264551	330689
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.241			40	
	noble metal	silver	7440-22-4	0.603	0.01		100	
	non noble metal	tin	7440-31-5	1.567	0.03	0.04	259	399
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	56.83	56.91	568375	569115
*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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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.

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