



Material Content Data Sheet



Sales Product Name		IKW40N120H3		Issued		4. July 2019		
MA#		MA003883330						
Package		PG-TO247-3-44		Weight*		5960.64 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	3.054	0.05	0.05	512	512
chip_2	inorganic material	silicon	7440-21-3	12.542	0.21	0.21	2104	2104
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	3967.074	66.55	66.64	665546	666412
	non noble metal	aluminium	7429-90-5	14.636	0.25	0.25	2455	2455
wire	organic material	carbon black	1333-86-4	9.446	0.16		1585	
	plastics	epoxy resin	-	377.855	6.34		63392	
encapsulation	inorganic material	silicondioxide	60676-86-0	1501.974	25.20	31.70	251982	316959
	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5347	5347
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4876	4876
solder	non noble metal	antimony	7440-36-0	0.796	0.01		133	
	noble metal	silver	7440-22-4	1.989	0.03		334	
*deviation	non noble metal	tin	7440-31-5	5.172	0.09	0.13	868	1335
						Sum in total:	100.00	

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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