



Material Content Data Sheet



Sales Product Name		IKW15N120H3		Issued		4. July 2019			
MA#		MA003883324							
Package		PG-TO247-3-44		Weight*		5955.54 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	1.571	0.03	0.03	264	264	
chip_2	inorganic material	silicon	7440-21-3	5.469	0.09	0.09	918	918	
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200		
	non noble metal	iron	7439-89-6	3.972	0.07		667		
	non noble metal	copper	7440-50-8	3967.074	66.59	66.68	666115	666982	
	non noble metal	aluminium	7429-90-5	7.697	0.13	0.13	1292	1292	
wire	non noble metal	aluminium	7429-90-5	7.697	0.13	0.13	1292	1292	
encapsulation	organic material	carbon black	1333-86-4	9.513	0.16		1597		
	plastics	epoxy resin	-	380.503	6.39		63891		
	inorganic material	silicondioxide	60676-86-0	1512.499	25.40	31.95	253965	319453	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5352	5352	
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4880	4880	
solder	non noble metal	antimony	7440-36-0	0.511	0.01		86		
	noble metal	silver	7440-22-4	1.278	0.02		215		
	non noble metal	tin	7440-31-5	3.322	0.06	0.09	558	859	
*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.
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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