

Material Content Data Sheet

RoHS | Halogen-Free

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
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.
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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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