



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW25N120H3		<b>Issued</b>		4. July 2019			
<b>MA#</b>		MA003883328							
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		5957.35 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	2.237	0.04	0.04	376	376	
chip_2	inorganic material	silicon	7440-21-3	8.238	0.14	0.14	1383	1383	
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	66.58	66.67	665913	666780	
	non noble metal	aluminium	7429-90-5	11.873	0.20	0.20	1993	1993	
wire	non noble metal	aluminium	7429-90-5	11.873	0.20	0.20	1993	1993	
	organic material	carbon black	1333-86-4	9.481	0.16		1591		
encapsulation	plastics	epoxy resin	-	379.233	6.37		63658		
	inorganic material	silicondioxide	60676-86-0	1507.453	25.30	31.83	253041	318290	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5350	5350	
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4879	4879	
solder	non noble metal	antimony	7440-36-0	0.566	0.01		95		
	noble metal	silver	7440-22-4	1.415	0.02		237		
	non noble metal	tin	7440-31-5	3.678	0.06	0.09	617	949	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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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

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