

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW15N120T2	**Issued**	4. July 2019
MA#	MA003883314		
Package	PG-TO247-3-44	**Weight***	5955.97 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	513	513
chip_2	inorganic material	silicon	7440-21-3	5.971	0.10	0.10	1003	1003
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	66.60	66.69	666066	666933
wire	non noble metal	aluminium	7429-90-5	8.162	0.14	0.14	1370	1370
encapsulation	organic material	carbon black	1333-86-4	9.503	0.16		1596	
	plastics	epoxy resin	-	380.117	6.38		63821	
	inorganic material	silicondioxide	60676-86-0	1510.964	25.37	31.91	253689	319106
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	0.503	0.01		84	
	noble metal	silver	7440-22-4	1.256	0.02		211	
	non noble metal	tin	7440-31-5	3.266	0.05	0.08	548	843
*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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