

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW25N120H3	**Issued**	4. July 2019
MA#	MA003883328		
Package	PG-TO247-3-44	**Weight***	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
wire	non noble metal	aluminium	7429-90-5	11.873	0.20	0.20	1993	1993
encapsulation	organic material	carbon black	1333-86-4	9.481	0.16		1591	
	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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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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