

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW40N120H3	**Issued**	4. July 2019
MA#	MA003883330		
Package	PG-TO247-3-44	**Weight***	5960.64 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	512	512
chip_2	inorganic material	silicon	7440-21-3	12.542	0.21	0.21	2104	2104
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		666	
	non noble metal	copper	7440-50-8	3967.074	66.55	66.64	665546	666412
wire	non noble metal	aluminium	7429-90-5	14.636	0.25	0.25	2455	2455
encapsulation	organic material	carbon black	1333-86-4	9.446	0.16		1585	
	plastics	epoxy resin	-	377.855	6.34		63392	
	inorganic material	silicondioxide	60676-86-0	1501.974	25.20	31.70	251982	316959
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5347	5347
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4876	4876
solder	non noble metal	antimony	7440-36-0	0.796	0.01		133	
	noble metal	silver	7440-22-4	1.989	0.03		334	
	non noble metal	tin	7440-31-5	5.172	0.09	0.13	868	1335
*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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