

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW75N65EL5	**Issued**	01. April 2021
MA#	MA001174818		
Package	PG-TO247-3-41	**Weight***	6056.66 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	2.928	0.05	0.05	483	483
chip_2	inorganic material	silicon	7440-21-3	5.000	0.08	0.08	826	826
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87353	87466
wire	non noble metal	aluminium	7429-90-5	23.604	0.39	0.39	3897	3897
encapsulation	organic material	carbon black	1333-86-4	19.856	0.33		3278	
	plastics	epoxy resin	-	377.255	6.23		62288	
	inorganic material	silicondioxide	60676-86-0	1,588.442	26.23	32.79	262264	327830
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799
solder	non noble metal	antimony	7440-36-0	0.640	0.01		106	
	noble metal	silver	7440-22-4	1.601	0.03		264	
	non noble metal	tin	7440-31-5	4.161	0.07	0.11	687	1057
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.74	56.82	567640	568379
*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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