

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW20N60H3	**Issued**	11. December 2019
MA#	MA005410212		
Package	PG-TO247-3-44	**Weight***	6048.43 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	0.641	0.01	0.01	106	106
chip_2	inorganic material	silicon	7440-21-3	2.028	0.03	0.03	335	335
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87472	87586
wire	non noble metal	aluminium	7429-90-5	9.607	0.16	0.16	1588	1588
encapsulation	organic material	carbon black	1333-86-4	20.009	0.33		3308	
	plastics	epoxy resin	-	380.172	6.29		62855	
	inorganic material	silicondioxide	60676-86-0	1600.724	26.47	33.09	264651	330814
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.207	0.00		34	
	noble metal	silver	7440-22-4	0.519	0.01		86	
	non noble metal	tin	7440-31-5	1.348	0.02	0.03	223	343
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.83	56.91	568413	569153
*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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