

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW60N60H3	**Issued**	12. September 2019
MA#	MA005401091		
Package	PG-TO247-3-41	**Weight***	6054.49 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	1.539	0.03	0.03	254	254
chip_2	inorganic material	silicon	7440-21-3	6.195	0.10	0.10	1023	1023
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	8.74	8.75	87384	87498
wire	non noble metal	aluminium	7429-90-5	18.772	0.31	0.31	3100	3100
encapsulation	organic material	carbon black	1333-86-4	19.894	0.33		3286	
	plastics	epoxy resin	-	377.984	6.24		62430	
	inorganic material	silicondioxide	60676-86-0	1591.512	26.29	32.86	262865	328581
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.542	0.01		89	
	noble metal	silver	7440-22-4	1.355	0.02		224	
	non noble metal	tin	7440-31-5	3.522	0.06	0.09	582	895
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	56.77	56.85	567844	568584
*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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