



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW40T120	Issued	12. August 2021
MA#	MA005618395		
Package	PG-TO247-3-44	Weight*	6060.44 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	13.024	0.21	0.21	2149	2149
chip_2	inorganic material	silicon	7440-21-3	8.163	0.13	0.13	1347	1347
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	8.73	8.74	87299	87412
wire	non noble metal	aluminium	7429-90-5	18.618	0.31	0.31	3072	3072
encapsulation	organic material	carbon black	1333-86-4	19.772	0.33		3263	
	plastics	epoxy resin	-	375.674	6.20		61988	
	inorganic material	silicondioxide	60676-86-0	1,581.784	26.10	32.63	261002	326253
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5259	5259
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4796	4796
solder	non noble metal	antimony	7440-36-0	1.023	0.02		169	
	noble metal	silver	7440-22-4	2.557	0.04		422	
	non noble metal	tin	7440-31-5	6.649	0.11	0.17	1097	1688
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.72	56.80	567286	568024
*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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