



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW15T120	Issued	05. May 2021
MA#	MA001242642		
Package	PG-TO247-3-44	Weight*	6052.17 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	3.674	0.06	0.06	607	607
chip_2	inorganic material	silicon	7440-21-3	6.201	0.10	0.10	1025	1025
leadframe	inorganic material	phosphorus	7723-14-0	0.159			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	87418	87532
wire	non noble metal	aluminium	7429-90-5	9.647	0.16	0.16	1594	1594
encapsulation	organic material	carbon black	1333-86-4	19.941	0.33		3295	
	plastics	epoxy resin	-	378.886	6.26		62603	
	inorganic material	silicondioxide	60676-86-0	1,595.309	26.36	32.95	263593	329491
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.533	0.01		88	
	noble metal	silver	7440-22-4	1.333	0.02		220	
	non noble metal	tin	7440-31-5	3.465	0.06	0.09	572	880
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	3,438.006	56.80	56.88	568062	568802
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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