

Material Content Data Sheet

RoHS | 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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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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