



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW25T120	Issued	05. May 2021
MA#	MA001242670		
Package	PG-TO247-3-44	Weight*	6055.29 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	5.181	0.09	0.09	856	856
chip_2	inorganic material	silicon	7440-21-3	9.957	0.16	0.16	1644	1644
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	8.74	8.75	87373	87486
wire	non noble metal	aluminium	7429-90-5	11.234	0.19	0.19	1855	1855
encapsulation	organic material	carbon black	1333-86-4	19.881	0.33		3283	
	plastics	epoxy resin	-	377.739	6.24		62382	
	inorganic material	silicondioxide	60676-86-0	1,590.482	26.27	32.84	262660	328325
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.764	0.01		126	
	noble metal	silver	7440-22-4	1.910	0.03		315	
	non noble metal	tin	7440-31-5	4.966	0.08	0.12	820	1261
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	56.76	56.84	567769	568509
*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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