



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW30N65ET7	Issued	16. May 2021
MA#	MA005400448		
Package	PG-TO247-3-48	Weight*	5967.76 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	1.834	0.03	0.03	307	307
chip_2	inorganic material	silicon	7440-21-3	1.163	0.02	0.02	195	195
leadframe	inorganic material	phosphorus	7723-14-0	0.159			27	
	non noble metal	iron	7439-89-6	0.530	0.01		89	
	non noble metal	copper	7440-50-8	529.068	8.87	8.88	88654	88770
wire	non noble metal	aluminium	7429-90-5	16.806	0.28	0.28	2816	2816
encapsulation	organic material	carbon black	1333-86-4	9.561	0.16		1602	
	plastics	epoxy resin	-	382.453	6.41		64087	
	inorganic material	silicondioxide	60676-86-0	1,520.250	25.47	32.04	254744	320433
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5341	5341
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4870	4870
solder	non noble metal	antimony	7440-36-0	0.252			42	
	noble metal	silver	7440-22-4	0.629	0.01		105	
	non noble metal	tin	7440-31-5	1.635	0.03	0.04	274	421
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		173	
	non noble metal	iron	7439-89-6	3.442	0.06		577	
	non noble metal	copper	7440-50-8	3,438.006	57.61	57.69	576097	576847
*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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