



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKWH30N65WR6	Issued	23. June 2021
MA#	MA005430991		
Package	PG-TO247-3-32	Weight*	6127.46 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	1.426	0.02	0.02	233	233
leadframe	non noble metal	nickel	7440-02-0	1.158	0.02		189	
	inorganic material	phosphorus	7723-14-0	1.158	0.02		189	
	non noble metal	iron	7439-89-6	4.633	0.08		756	
	non noble metal	copper	7440-50-8	3,854.290	62.89	63.01	629019	630153
wire	non noble metal	aluminium	7429-90-5	10.235	0.17	0.17	1670	1670
encapsulation	organic material	carbon black	1333-86-4	20.765	0.34		3389	
	plastics	epoxy resin	-	394.539	6.44		64389	
	inorganic material	silicondioxide	60676-86-0	1,661.219	27.11	33.89	271110	338888
leadfinish	non noble metal	tin	7440-31-5	15.994	0.26	0.26	2610	2610
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.328	0.01	0.01	54	55
solder	non noble metal	antimony	7440-36-0	0.126			21	
	noble metal	silver	7440-22-4	0.315	0.01		51	
	non noble metal	tin	7440-31-5	0.819	0.01	0.02	134	206
heatspreader	inorganic material	phosphorus	7723-14-0	0.048			8	
	non noble metal	iron	7439-89-6	0.160			26	
	non noble metal	copper	7440-50-8	160.240	2.62	2.62	26151	26185
*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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