



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKWH40N65WR6	Issued	23. June 2021
MA#	MA005543400		
Package	PG-TO247-3-32	Weight*	6127.61 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	1.513	0.02	0.02	247	247
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	629003	630137
wire	non noble metal	aluminium	7429-90-5	10.540	0.17	0.17	1720	1720
encapsulation	organic material	carbon black	1333-86-4	20.762	0.34		3388	
	plastics	epoxy resin	-	394.481	6.44		64378	
	inorganic material	silicondioxide	60676-86-0	1,660.974	27.11	33.89	271064	338830
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	0.133			22	
	noble metal	silver	7440-22-4	0.333	0.01		54	
	non noble metal	tin	7440-31-5	0.865	0.01	0.02	141	217
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	26150	26184
*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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