



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKWH70N65WR6	Issued	23. June 2021
MA#	MA005543075		
Package	PG-TO247-3-32	Weight*	6129.83 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	2.554	0.04	0.04	417	417
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	62.88	63.00	628776	629910
wire	non noble metal	aluminium	7429-90-5	15.395	0.25	0.25	2511	2511
encapsulation	organic material	carbon black	1333-86-4	20.717	0.34		3380	
	plastics	epoxy resin	-	393.623	6.42		64215	
	inorganic material	silicondioxide	60676-86-0	1,657.362	27.04	33.80	270377	337972
leadfinish	non noble metal	tin	7440-31-5	15.994	0.26	0.26	2609	2609
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.328	0.01	0.01	53	54
solder	non noble metal	antimony	7440-36-0	0.216			35	
	noble metal	silver	7440-22-4	0.540	0.01		88	
	non noble metal	tin	7440-31-5	1.405	0.02	0.03	229	352
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	2.61	2.61	26141	26175
*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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