



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKWH30N65WR5	<b>Issued</b>	23. June 2021
<b>MA#</b>	MA005543034		
<b>Package</b>	PG-TO247-3-32	<b>Weight*</b>	6127.67 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	1.663	0.03	0.03	271	271
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	62.87	62.99	628997	630131
wire	non noble metal	aluminium	7429-90-5	10.345	0.17	0.17	1688	1688
encapsulation	organic material	carbon black	1333-86-4	20.762	0.34		3388	
	plastics	epoxy resin	-	394.479	6.44		64377	
	inorganic material	silicondioxide	60676-86-0	1,660.962	27.11	33.89	271059	338824
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	0.145			24	
	noble metal	silver	7440-22-4	0.363	0.01		59	
	non noble metal	tin	7440-31-5	0.943	0.02	0.03	154	237
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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