

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW20N65ET7	**Issued**	16. May 2021
MA#	MA005351554		
Package	PG-TO247-3-48	**Weight***	5964.75 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	0.847	0.01	0.01	142	142
chip_2	inorganic material	silicon	7440-21-3	0.847	0.01	0.01	142	142
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	88699	88815
wire	non noble metal	aluminium	7429-90-5	10.556	0.18	0.18	1770	1770
encapsulation	organic material	carbon black	1333-86-4	9.589	0.16		1608	
	plastics	epoxy resin	-	383.556	6.43		64304	
	inorganic material	silicondioxide	60676-86-0	1,524.637	25.56	32.15	255607	321519
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5344	5344
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4873	4873
solder	non noble metal	antimony	7440-36-0	0.155			26	
	noble metal	silver	7440-22-4	0.386	0.01		65	
	non noble metal	tin	7440-31-5	1.004	0.02	0.03	168	259
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	57.64	57.72	576386	577136
*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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