

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IGW50N65H5	**Issued**	18. August 2021
MA#	MA005411005		
Package	PG-TO247-3-41	**Weight***	6048.63 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	2.704	0.04	0.04	447	447
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87469	87583
wire	non noble metal	aluminium	7429-90-5	9.981	0.16	0.16	1650	1650
encapsulation	organic material	carbon black	1333-86-4	20.006	0.33		3307	
	plastics	epoxy resin	-	380.111	6.28		62842	
	inorganic material	silicondioxide	60676-86-0	1,600.465	26.46	33.07	264600	330749
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.219			36	
	noble metal	silver	7440-22-4	0.547	0.01		90	
	non noble metal	tin	7440-31-5	1.422	0.02	0.03	235	361
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.85	56.93	568395	569135
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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