



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IGW40N65F5	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA005414035		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6048.21 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	2.111	0.03	0.03	349	349
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	87475	87589
wire	non noble metal	aluminium	7429-90-5	9.873	0.16	0.16	1632	1632
encapsulation	organic material	carbon black	1333-86-4	20.012	0.33		3309	
	plastics	epoxy resin	-	380.236	6.29		62868	
	inorganic material	silicondioxide	60676-86-0	1,600.992	26.47	33.09	264705	330882
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	0.181			30	
	noble metal	silver	7440-22-4	0.452	0.01		75	
	non noble metal	tin	7440-31-5	1.176	0.02	0.03	194	299
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	56.84	56.92	568434	569174
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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