



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW30N120R5		<b>Issued</b>		31. January 2019		
<b>MA#</b>		MA002268104						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		5953.89 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	5.608	0.09	0.09	942	942
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		667	
	non noble metal	copper	7440-50-8	3967.074	66.63	66.72	666300	667167
	non noble metal	aluminium	7429-90-5	8.475	0.14	0.14	1424	1424
wire	non noble metal	aluminium	7429-90-5	8.475	0.14	0.14	1424	1424
encapsulation	organic material	carbon black	1333-86-4	9.517	0.16		1598	
	plastics	epoxy resin	-	380.687	6.39		63939	
	inorganic material	silicondioxide	60676-86-0	1513.229	25.42	31.97	254158	319695
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5354	5354
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4882	4882
solder	non noble metal	antimony	7440-36-0	0.319	0.01		54	
	noble metal	silver	7440-22-4	0.798	0.01		134	
	non noble metal	tin	7440-31-5	2.074	0.03	0.05	348	536
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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