



## Material Content Data Sheet



<b>Sales Product Name</b>				IHW20N135R5		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001189924					
<b>Package</b>				PG-TO247-3-41		<b>Weight*</b>		6047.87 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	5.147	0.09	0.09	851	851	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87480	87594	
wire	non noble metal	aluminium	7429-90-5	4.191	0.07	0.07	693	693	
encapsulation	organic material	carbon black	1333-86-4	20.018	0.33		3310		
	plastics	epoxy resin	-	380.344	6.29		62889		
	inorganic material	silicondioxide	60676-86-0	1601.450	26.48	33.10	264796	330995	
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5336	5336	
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4866	4866	
solder	non noble metal	antimony	7440-36-0	0.278	0.00		46		
	noble metal	silver	7440-22-4	0.696	0.01		115		
	non noble metal	tin	7440-31-5	1.809	0.03	0.04	299	460	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568465	569205	
*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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