



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW20N65R5		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001583136						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6049.51 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	1.175	0.02	0.02	194	194
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	87457	87571
wire	non noble metal	aluminium	7429-90-5	42.293	0.70	0.70	6991	6991
encapsulation	organic material	carbon black	1333-86-4	19.718	0.33		3259	
	plastics	epoxy resin	-	374.641	6.19		61929	
	inorganic material	silicondioxide	60676-86-0	1577.435	26.08	32.60	260755	325943
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.107	0.00		18	
	noble metal	silver	7440-22-4	0.266	0.00		44	
	non noble metal	tin	7440-31-5	0.693	0.01	0.01	115	177
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	56.82	56.90	568311	569051
*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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