



Material Content Data Sheet



Sales Product Name		IHW20N135R5		Issued		31. January 2019		
MA#		MA002313922						
Package		PG-TO247-3-44		Weight*		5952.79 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	865	865
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	666424	667291
	non noble metal	aluminium	7429-90-5	4.093	0.07	0.07	688	688
wire	non noble metal	aluminium	7429-90-5	4.093	0.07	0.07	688	688
encapsulation	organic material	carbon black	1333-86-4	9.538	0.16		1602	
	plastics	epoxy resin	-	381.517	6.41		64090	
	inorganic material	silicondioxide	60676-86-0	1516.532	25.48	32.05	254759	320451
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	4883	4883
solder	non noble metal	antimony	7440-36-0	0.278	0.00		47	
	noble metal	silver	7440-22-4	0.696	0.01		117	
	non noble metal	tin	7440-31-5	1.809	0.03	0.04	304	468
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com