



Material Content Data Sheet



Sales Product Name				IHW20N135R3		Issued		25. January 2018	
MA#				MA000911438					
Package				PG-TO247-3-44		Weight*		6047.99 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	6.031	0.10	0.10	997	997	
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	87478	87592	
wire	non noble metal	aluminium	7429-90-5	8.304	0.14	0.14	1373	1373	
encapsulation	organic material	carbon black	1333-86-4	19.974	0.33		3303		
	plastics	epoxy resin	-	379.499	6.27		62748		
	inorganic material	silicondioxide	60676-86-0	1597.889	26.42	33.02	264201	330252	
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	4806	4806	
solder	non noble metal	antimony	7440-36-0	0.312	0.01		52		
	noble metal	silver	7440-22-4	0.779	0.01		129		
	non noble metal	tin	7440-31-5	2.026	0.03	0.05	335	516	
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	568454	569194	
*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