



Material Content Data Sheet



Sales Product Name				IHW20N120R5		Issued		19. July 2018	
MA#				MA001152626					
Package				PG-TO247-3-44		Weight*		6046.82 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	4.384	0.07	0.07	725	725	
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	87495	87609	
wire	non noble metal	aluminium	7429-90-5	4.220	0.07	0.07	698	698	
encapsulation	organic material	carbon black	1333-86-4	20.025	0.33		3312		
	plastics	epoxy resin	-	380.469	6.29		62921		
	inorganic material	silicondioxide	60676-86-0	1601.973	26.49	33.11	264928	331161	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807	
solder	non noble metal	antimony	7440-36-0	0.257	0.00		43		
	noble metal	silver	7440-22-4	0.643	0.01		106		
	non noble metal	tin	7440-31-5	1.672	0.03	0.04	276	425	
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	56.86	56.94	568564	569304	
*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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