



## Material Content Data Sheet



Sales Product Name	IHW20N120R5			Issued		31. January 2019		
MA#	MA003062098							
Package	PG-TO247-3-44			Weight*		5952.46 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	737	737
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	66.64	66.73	666459	667326
wire	non noble metal	aluminium	7429-90-5	4.093	0.07	0.07	688	688
encapsulation	organic material	carbon black	1333-86-4	9.541	0.16		1603	
	plastics	epoxy resin	-	381.647	6.41		64116	
	inorganic material	silicondioxide	60676-86-0	1517.047	25.49	32.06	254860	320579
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5355	5355
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4883	4883
solder	non noble metal	antimony	7440-36-0	0.257	0.00		43	
	noble metal	silver	7440-22-4	0.643	0.01		108	
	non noble metal	tin	7440-31-5	1.672	0.03	0.04	281	432
*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.
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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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