



Material Content Data Sheet



Sales Product Name		IHW15N120R3		Issued		1. August 2018		
MA#		MA003062100						
Package		PG-TO247-3-44		Weight*		5952.30 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	4.172	0.07	0.07	701	701
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	666478	667345
	non noble metal	aluminium	7429-90-5	4.218	0.07	0.07	709	709
wire	non noble metal	aluminium	7429-90-5	4.218	0.07	0.07	709	709
encapsulation	organic material	carbon black	1333-86-4	9.542	0.16		1603	
	plastics	epoxy resin	-	381.668	6.41		64121	
	inorganic material	silicondioxide	60676-86-0	1517.130	25.49	32.06	254882	320606
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	0.239	0.00		40	
	noble metal	silver	7440-22-4	0.597	0.01		100	
	non noble metal	tin	7440-31-5	1.552	0.03	0.04	261	401
*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