



Material Content Data Sheet



Sales Product Name		IHW30N160R2		Issued		25. September 2017		
MA#		MA000519030						
Package		PG-TO247-3-41		Weight*		6060.04 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	11.499	0.19	0.19	1898	1898
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87304	87417
wire	non noble metal	aluminium	7429-90-5	85.215	1.41	1.41	14062	14062
encapsulation	organic material	carbon black	1333-86-4	19.243	0.32		3175	
	plastics	epoxy resin	-	365.622	6.03		60333	
	inorganic material	silicondioxide	60676-86-0	1539.461	25.40	31.75	254035	317543
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5325	5325
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4856	4856
solder	non noble metal	antimony	7440-36-0	0.506	0.01		84	
	noble metal	silver	7440-22-4	1.266	0.02		209	
	non noble metal	tin	7440-31-5	3.291	0.05	0.08	543	836
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.73	56.81	567325	568063
*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