



Material Content Data Sheet



Sales Product Name		IHW30N120R3		Issued		21. September 2015		
MA#		MA001410480						
Package		PG-TO247-3-41		Weight*		6049.29 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	6.795	0.11	0.11	1123	1123
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	87460	87574
wire	non noble metal	aluminium	7429-90-5	8.385	0.14	0.14	1386	1386
encapsulation	organic material	carbon black	1333-86-4	19.965	0.33		3300	
	plastics	epoxy resin	-	379.341	6.27		62708	
	inorganic material	silicondioxide	60676-86-0	1597.227	26.40	33.00	264036	330044
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5335	5335
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4865	4865
solder	non noble metal	antimony	7440-36-0	0.363	0.01		60	
	noble metal	silver	7440-22-4	0.908	0.02		150	
	non noble metal	tin	7440-31-5	2.362	0.04	0.07	390	600
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	56.82	56.90	568333	569073
*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 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com