



Material Content Data Sheet



Sales Product Name		IHW40N65R5		Issued		19. July 2018		
MA#		MA001134456						
Package		PG-TO247-3-44		Weight*		6046.29 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	2.080	0.03	0.03	344	344
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	87503	87617
wire	non noble metal	aluminium	7429-90-5	8.199	0.14	0.14	1356	1356
encapsulation	organic material	carbon black	1333-86-4	20.010	0.33		3310	
	plastics	epoxy resin	-	380.196	6.29		62881	
	inorganic material	silicondioxide	60676-86-0	1600.827	26.48	33.10	264761	330952
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.180	0.00		30	
	noble metal	silver	7440-22-4	0.451	0.01		75	
	non noble metal	tin	7440-31-5	1.173	0.02	0.03	194	299
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	56.85	56.93	568613	569353
*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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