



Material Content Data Sheet



Sales Product Name		IHW40N60R		Issued		19. July 2018		
MA#		MA001066698						
Package		PG-TO247-3-41		Weight*		6047.21 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	3.815	0.06	0.06	631	631
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	87490	87604
wire	non noble metal	aluminium	7429-90-5	7.760	0.13	0.13	1283	1283
encapsulation	organic material	carbon black	1333-86-4	19.998	0.33		3307	
	plastics	epoxy resin	-	379.957	6.28		62832	
	inorganic material	silicondioxide	60676-86-0	1599.820	26.46	33.07	264555	330694
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.269	0.00		44	
	noble metal	silver	7440-22-4	0.671	0.01		111	
	non noble metal	tin	7440-31-5	1.746	0.03	0.04	289	444
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	568527	569267
*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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