



## Material Content Data Sheet



<b>Sales Product Name</b>				IHW40N120R3		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001151710					
<b>Package</b>				PG-TO247-3-44		<b>Weight*</b>		6049.50 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	8.651	0.14	0.14	1430	1430	
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	87457	87571	
wire	non noble metal	aluminium	7429-90-5	8.398	0.14	0.14	1388	1388	
encapsulation	organic material	carbon black	1333-86-4	19.948	0.33		3297		
	plastics	epoxy resin	-	379.008	6.27		62651		
	inorganic material	silicondioxide	60676-86-0	1595.824	26.38	32.98	263795	329743	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804	
solder	non noble metal	antimony	7440-36-0	0.449	0.01		74		
	noble metal	silver	7440-22-4	1.124	0.02		186		
	non noble metal	tin	7440-31-5	2.921	0.05	0.08	483	743	
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	56.81	56.89	568312	569052	
*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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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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