



Material Content Data Sheet



Sales Product Name	IHW40N120R5			Issued		31. January 2019		
MA#	MA002268112							
Package	PG-TO247-3-44			Weight*		5954.75 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	7.107	0.12	0.12	1193	1193
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		667	
	non noble metal	copper	7440-50-8	3967.074	66.60	66.69	666204	667071
wire	non noble metal	aluminium	7429-90-5	8.281	0.14	0.14	1391	1391
encapsulation	organic material	carbon black	1333-86-4	9.511	0.16		1597	
	plastics	epoxy resin	-	380.449	6.39		63890	
	inorganic material	silicondioxide	60676-86-0	1512.285	25.40	31.95	253963	319450
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5353	5353
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4881	4881
solder	non noble metal	antimony	7440-36-0	0.394	0.01		66	
	noble metal	silver	7440-22-4	0.984	0.02		165	
	non noble metal	tin	7440-31-5	2.559	0.04	0.07	430	661
*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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