



Material Content Data Sheet



Sales Product Name		IHW40N135R3		Issued		25. September 2017		
MA#		MA001197108						
Package		PG-TO247-3-44		Weight*		6059.44 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	10.035	0.17	0.17	1656	1656
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87313	87426
wire	non noble metal	aluminium	7429-90-5	83.919	1.38	1.38	13849	13849
encapsulation	organic material	carbon black	1333-86-4	19.267	0.32		3180	
	plastics	epoxy resin	-	366.082	6.04		60415	
	inorganic material	silicondioxide	60676-86-0	1541.396	25.44	31.80	254380	317975
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5326	5326
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4857	4857
solder	non noble metal	antimony	7440-36-0	0.480	0.01		79	
	noble metal	silver	7440-22-4	1.199	0.02		198	
	non noble metal	tin	7440-31-5	3.118	0.05	0.08	515	792
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.73	56.81	567381	568119
*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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