



Material Content Data Sheet



Sales Product Name		IHW40N120R3		Issued		25. January 2018		
MA#		MA001151712						
Package		PG-TO247-3-41		Weight*		6049.51 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	87456	87570
wire	non noble metal	aluminium	7429-90-5	8.486	0.14	0.14	1403	1403
encapsulation	organic material	carbon black	1333-86-4	19.947	0.33		3297	
	plastics	epoxy resin	-	378.994	6.26		62649	
	inorganic material	silicondioxide	60676-86-0	1595.762	26.38	32.97	263784	329730
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	56.82	56.90	568311	569051
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com