



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW40N135R3		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA000997624						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6049.03 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	8.997	0.15	0.15	1487	1487
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	87463	87577
wire	non noble metal	aluminium	7429-90-5	3.347	0.06	0.06	553	553
encapsulation	organic material	carbon black	1333-86-4	19.989	0.33		3305	
	plastics	epoxy resin	-	379.800	6.28		62787	
	inorganic material	silicondioxide	60676-86-0	1599.158	26.44	33.05	264366	330458
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	4805	4805
solder	non noble metal	antimony	7440-36-0	0.457	0.01		75	
	noble metal	silver	7440-22-4	1.142	0.02		189	
	non noble metal	tin	7440-31-5	2.968	0.05	0.08	491	755
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	568356	569096
*deviation	< 10%				Sum in total:	100,00		1000000

### Important Remarks:

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