



## Material Content Data Sheet



<b>Sales Product Name</b>				IHW30N110R3		<b>Issued</b>		26. September 2017	
<b>MA#</b>				MA000853766					
<b>Package</b>				PG-TO247-3-44		<b>Weight*</b>		6055.85 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	4.284	0.07	0.07	707	707	
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	8.74	8.75	87365	87478	
wire	non noble metal	aluminium	7429-90-5	82.225	1.36	1.36	13578	13578	
encapsulation	organic material	carbon black	1333-86-4	19.335	0.32		3193		
	plastics	epoxy resin	-	367.367	6.07		60663		
	inorganic material	silicondioxide	60676-86-0	1546.808	25.54	31.93	255424	319280	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799	
solder	non noble metal	antimony	7440-36-0	0.266	0.00		44		
	noble metal	silver	7440-22-4	0.664	0.01		110		
	non noble metal	tin	7440-31-5	1.727	0.03	0.04	285	439	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.76	56.84	567717	568456	
*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