



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW40N120H3		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA000983792						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6051.39 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	12.542	0.21	0.21	2073	2073
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	8.74	8.75	87429	87543
wire	non noble metal	aluminium	7429-90-5	8.131	0.13	0.13	1344	1344
encapsulation	organic material	carbon black	1333-86-4	19.914	0.33		3291	
	plastics	epoxy resin	-	378.368	6.25		62526	
	inorganic material	silicondioxide	60676-86-0	1593.127	26.33	32.91	263266	329083
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.613	0.01		101	
	noble metal	silver	7440-22-4	1.532	0.03		253	
	non noble metal	tin	7440-31-5	3.984	0.07	0.11	658	1012
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	56.80	56.88	568135	568875
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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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