



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW50N60TP		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001393932						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6055.64 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	3.442	0.06	0.06	568	568
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	87368	87481
wire	non noble metal	aluminium	7429-90-5	81.637	1.35	1.35	13481	13481
encapsulation	organic material	carbon black	1333-86-4	19.347	0.32		3195	
	plastics	epoxy resin	-	367.597	6.07		60703	
	inorganic material	silicondioxide	60676-86-0	1547.778	25.56	31.95	255593	319491
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.266	0.00		44	
	noble metal	silver	7440-22-4	0.665	0.01		110	
	non noble metal	tin	7440-31-5	1.730	0.03	0.04	286	440
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	567736	568475
*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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