



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW50N60T		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001248632						
<b>Package</b>		PG-TO247-3-21		<b>Weight*</b>		5999.43 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	8.178	0.14	0.14	1363	1363
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	8.82	8.83	88187	88301
wire	non noble metal	aluminium	7429-90-5	15.720	0.26	0.26	2620	2620
encapsulation	organic material	carbon black	1333-86-4	21.303	0.36		3551	
	inorganic material	antimonytrioxide	1309-64-4	44.542	0.74		7424	
	plastics	brominated resin	-	50.352	0.84		8393	
	plastics	epoxy resin	-	367.954	6.13		61332	
	inorganic material	silicondioxide	60676-86-0	1452.450	24.21	32.28	242098	322798
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5313	5313
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4845	4845
solder	non noble metal	antimony	7440-36-0	0.576	0.01		96	
	noble metal	silver	7440-22-4	1.439	0.02		240	
	non noble metal	tin	7440-31-5	3.742	0.06	0.09	624	960
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.31	57.39	573054	573800
*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

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