



Material Content Data Sheet



Sales Product Name		IKW40T120		Issued		24. January 2018		
MA#		MA001179718						
Package		PG-TO247-3-44		Weight*		6056.79 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	21.187	0.35	0.35	3498	3498
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	87351	87464
wire	non noble metal	aluminium	7429-90-5	14.958	0.25	0.25	2470	2470
encapsulation	organic material	carbon black	1333-86-4	19.772	0.33		3264	
	plastics	epoxy resin	-	375.675	6.20		62025	
	inorganic material	silicondioxide	60676-86-0	1581.787	26.12	32.65	261160	326449
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	1.023	0.02		169	
	noble metal	silver	7440-22-4	2.557	0.04		422	
	non noble metal	tin	7440-31-5	6.649	0.11	0.17	1098	1689
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	56.74	56.82	567629	568368
*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