



Material Content Data Sheet



Sales Product Name		AIKQ100N60CT		Issued		19. January 2018		
MA#		MA001413590						
Package		PG-TO247-3-46		Weight*		6890.81 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	14.942	0.22	0.22	2168	2168
leadframe	non noble metal	iron	7439-89-6	4.066	0.06		590	
	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	copper	7440-50-8	4060.901	58.92	59.00	589321	590088
wire	non noble metal	aluminium	7429-90-5	30.556	0.44	0.44	4434	4434
encapsulation	organic material	carbon black	1333-86-4	20.446	0.30		2967	
	plastics	epoxy resin	-	388.473	5.64		56376	
	inorganic material	silicondioxide	60676-86-0	1635.677	23.74	29.68	237371	296714
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4870	4870
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	298	298
solder	non noble metal	antimony	7440-36-0	1.009	0.01		146	
	noble metal	silver	7440-22-4	2.521	0.04		366	
	non noble metal	tin	7440-31-5	6.555	0.10	0.15	951	1463
heatspreader	non noble metal	iron	7439-89-6	0.689	0.01		100	
	inorganic material	phosphorus	7723-14-0	0.207	0.00		30	
	non noble metal	copper	7440-50-8	687.941	9.98	9.99	99835	99965
*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