



Material Content Data Sheet



Sales Product Name		IKQ50N120CH3		Issued		20. July 2018		
MA#		MA001620120						
Package		PG-TO247-3-46		Weight*		6894.21 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	26.648	0.39	0.39	3865	3865
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	58.89	58.97	589030	589797
wire	non noble metal	aluminium	7429-90-5	24.293	0.35	0.35	3524	3524
encapsulation	organic material	carbon black	1333-86-4	20.398	0.30		2959	
	plastics	epoxy resin	-	387.565	5.62		56216	
	inorganic material	silicondioxide	60676-86-0	1631.854	23.67	29.59	236699	295874
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4867	4867
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	298	298
solder	non noble metal	antimony	7440-36-0	1.282	0.02		186	
	noble metal	silver	7440-22-4	3.206	0.05		465	
	non noble metal	tin	7440-31-5	8.335	0.12	0.19	1209	1860
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	99785	99915
*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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