



Material Content Data Sheet



Sales Product Name		IKY40N120CH3		Issued		24. January 2018		
MA#		MA001620092						
Package		PG-TO247-4-2		Weight*		6888.87 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	12.542	0.18	0.18	1821	1821
chip_2	inorganic material	silicon	7440-21-3	7.262	0.11	0.11	1054	1054
leadframe	inorganic material	phosphorus	7723-14-0	0.183	0.00		27	
	non noble metal	iron	7439-89-6	0.611	0.01		89	
	non noble metal	copper	7440-50-8	610.481	8.86	8.87	88618	88734
	non noble metal	aluminium	7429-90-5	21.869	0.32	0.32	3174	3174
wire	non noble metal	aluminium	7429-90-5	21.869	0.32	0.32	3174	3174
	organic material	carbon black	1333-86-4	20.613	0.30		2992	
encapsulation	plastics	epoxy resin	-	391.643	5.69		56851	
	inorganic material	silicondioxide	60676-86-0	1649.022	23.94	29.93	239375	299218
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5205	5205
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	0.989	0.01		144	
	noble metal	silver	7440-22-4	2.472	0.04		359	
	non noble metal	tin	7440-31-5	6.428	0.09	0.14	933	1436
	inorganic material	phosphorus	7723-14-0	1.238	0.02		180	
heatspreader	non noble metal	iron	7439-89-6	4.127	0.06		599	
	non noble metal	copper	7440-50-8	4121.580	59.82	59.90	598296	599075
*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