

Material Content Data Sheet Collection

Sales Product Name	IKQB160N75CP2
MA#	SP005435026
Package	PG-TO247-3-51
Versions	93127,93128
Issued	12. May 2023



Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQB160N75CP2	**Issued**	12. May 2023
MA#	MA005705835		
Package	PG-TO247-3-51	**Weight***	6454.54 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	12.952	0.201	0.201	2007	2007
chip_2	inorganic material	silicon	7440-21-3	6.480	0.100	0.100	1004	1004
leadframe	inorganic material	phosphorus	7723-14-0	1.288	0.020	66.521	200	665207
	non noble metal	iron	7439-89-6	4.294	0.067		665	
	non noble metal	copper	7440-50-8	4,288.022	66.434		664342	
wire	non noble metal	aluminium	7429-90-5	40.629	0.629	0.629	6295	6295
encapsulation	inorganic material	zincoxide	1314-13-2	20.633	0.320	31.967	3197	319671
	miscellaneous	miscellaneous	-	82.533	1.279		12787	
	plastics	epoxy resin	-	309.499	4.795		47951	
	inorganic material	silicondioxide	60676-86-0	1,650.662	25.574		255737	
leadfinish	non noble metal	tin	7440-31-5	15.175	0.235	0.235	2351	2351
plating	inorganic material	phosphorus	7723-14-0	0.009	0.000	0.061	1	608
	non noble metal	nickel	7440-02-0	3.916	0.061		607	
solder	non noble metal	tin	7440-31-5	0.369	0.006	0.286	57	2857
	noble metal	silver	7440-22-4	0.461	0.007		71	
	non noble metal	lead	7439-92-1	17.614	0.273		2729	
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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



Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQB160N75CP2	**Issued**	12. May 2023
MA#	MA005705835		
Package	PG-TO247-3-51	**Weight***	6430.20 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	12.952	0.201	0.201	2014	2014
chip_2	inorganic material	silicon	7440-21-3	6.480	0.101	0.101	1008	1008
leadframe	inorganic material	phosphorus	7723-14-0	1.288	0.020	66.773	200	667725
	non noble metal	iron	7439-89-6	4.294	0.067		668	
	non noble metal	copper	7440-50-8	4,288.022	66.686		666857	
wire	non noble metal	aluminium	7429-90-5	40.629	0.632	0.632	6319	6319
encapsulation	inorganic material	zincoxide	1314-13-2	20.390	0.317	31.710	3171	317096
	miscellaneous	miscellaneous	-	81.559	1.268		12684	
	plastics	epoxy resin	-	305.848	4.756		47564	
	inorganic material	silicondioxide	60676-86-0	1,631.190	25.368		253676	
leadfinish	non noble metal	tin	7440-31-5	15.175	0.236	0.236	2360	2360
plating	inorganic material	phosphorus	7723-14-0	0.009	0.000	0.061	1	610
	non noble metal	nickel	7440-02-0	3.916	0.061		609	
solder	non noble metal	tin	7440-31-5	0.369	0.006	0.287	57	2868
	noble metal	silver	7440-22-4	0.461	0.007		72	
	non noble metal	lead	7439-92-1	17.614	0.274		2739	
*deviation	< 10%				Sum in total:	100.00		1000000

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