

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	AIKB40N65DF5	**Issued**	08. April 2022
MA#	MA005711868		
Package	PG-TO263-3-2	**Weight***	1561.64 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	2.169	0.14	0.14	1389	1389
chip_2	inorganic material	silicon	7440-21-3	0.831	0.05	0.05	532	532
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	iron	7439-89-6	0.304	0.02		195	
	non noble metal	copper	7440-50-8	304.026	19.47	19.50	194684	194937
wire	non noble metal	aluminium	7429-90-5	10.441	0.67	0.67	6686	6686
encapsulation	inorganic material	zincoxide	1314-13-2	6.818	0.44		4366	
	miscellaneous	miscellaneous	-	27.272	1.75		17463	
	plastics	epoxy resin	-	102.268	6.55		65488	
	inorganic material	silicondioxide	60676-86-0	545.432	34.93	43.67	349269	436586
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6184	6184
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147
solder	non noble metal	tin	7440-31-5	0.074			48	
	noble metal	silver	7440-22-4	0.093	0.01		60	
	non noble metal	lead	7439-92-1	3.556	0.23	0.24	2277	2385
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		351	
	non noble metal	copper	7440-50-8	547.666	35.05	35.10	350698	351154
*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.

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