

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	AIKB50N65DF5	**Issued**	08. April 2022
MA#	MA005711262		
Package	PG-TO263-3-2	**Weight***	1562.42 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	2.613	0.17	0.17	1672	1672
chip_2	inorganic material	silicon	7440-21-3	1.008	0.06	0.06	645	645
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	19.46	19.49	194586	194839
wire	non noble metal	aluminium	7429-90-5	10.772	0.69	0.69	6895	6895
encapsulation	inorganic material	zincoxide	1314-13-2	6.809	0.44		4358	
	miscellaneous	miscellaneous	-	27.237	1.74		17432	
	plastics	epoxy resin	-	102.137	6.54		65371	
	inorganic material	silicondioxide	60676-86-0	544.733	34.86	43.58	348647	435808
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6181	6181
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	0.089	0.01		57	
	noble metal	silver	7440-22-4	0.111	0.01		71	
	non noble metal	lead	7439-92-1	4.229	0.27	0.29	2707	2835
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	35.04	35.09	350522	350978
*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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