

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKD04N60RC2	**Issued**	29. June 2021
MA#	MA005423626		
Package	PG-TO252-3-313	**Weight***	316.68 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	0.537	0.17	0.17	1697	1697
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		140	
	non noble metal	iron	7439-89-6	0.147	0.05		465	
	non noble metal	copper	7440-50-8	147.096	46.45	46.51	464493	465098
wire	non noble metal	aluminium	7429-90-5	0.699	0.22	0.22	2208	2208
encapsulation	inorganic material	zincoxide	1314-13-2	1.431	0.45		4518	
	miscellaneous	miscellaneous	-	7.154	2.26		22591	
	plastics	epoxy resin	-	21.462	6.78		67772	
	inorganic material	silicondioxide	60676-86-0	113.034	35.69	45.18	356934	451815
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11810	11810
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4486	4497
solder	non noble metal	tin	7440-31-5	0.014			45	
	noble metal	silver	7440-22-4	0.018	0.01		56	
	non noble metal	lead	7439-92-1	0.677	0.21	0.22	2138	2239
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		61	
	non noble metal	copper	7440-50-8	19.177	6.06	6.07	60557	60636
*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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