

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKD06N60RF	**Issued**	22. May 2021
MA#	MA002129236		
Package	PG-TO252-3-342	**Weight***	332.94 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	0.924	0.28	0.28	2775	2775
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		144	
	non noble metal	iron	7439-89-6	0.160	0.05		481	
	non noble metal	copper	7440-50-8	160.096	48.09	48.15	480861	481486
wire	non noble metal	aluminium	7429-90-5	0.470	0.14	0.14	1411	1411
encapsulation	organic material	carbon black	1333-86-4	1.174	0.35		3525	
	plastics	epoxy resin	-	16.430	4.93		49348	
	inorganic material	silicondioxide	60676-86-0	129.091	38.77	44.05	387736	440609
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11234	11234
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1572	1572
solder	non noble metal	tin	7440-31-5	0.022	0.01		65	
	noble metal	silver	7440-22-4	0.027	0.01		81	
	non noble metal	lead	7439-92-1	1.029	0.31	0.33	3091	3237
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			17	
	non noble metal	iron	7439-89-6	0.019	0.01		58	
	non noble metal	copper	7440-50-8	19.177	5.76	5.77	57601	57676
*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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