

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKWH50N67PR7	**Issued**	28. November 2024
MA#	MA005991097		
Package	PG-TO247-3-32	**Weight***	6091.48 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	1.702	0.028	0.028	279	279
leadframe	non noble metal	nickel	7440-02-0	1.206	0.020	65.995	198	659949
	inorganic material	phosphorus	7723-14-0	1.206	0.020		198	
	non noble metal	iron	7439-89-6	4.824	0.079		792	
	non noble metal	copper	7440-50-8	4,012.828	65.876		658761	
wire	non noble metal	aluminium	7429-90-5	10.598	0.174	0.174	1740	1740
encapsulation	organic material	carbon black	1333-86-4	15.310	0.251	33.511	2513	335114
	organic material	phenol formaldehyde resin	9003-35-4	85.124	1.397		13974	
	non noble metal	metal hydroxide	-	187.191	3.073		30730	
	plastics	epoxy resin	29690-82-2	278.643	4.574		45743	
	inorganic material	silicondioxide	60676-86-0	1,475.071	24.215		242153	
leadfinish	non noble metal	tin	7440-31-5	15.994	0.263	0.263	2626	2626
plating	inorganic material	phosphorus	7723-14-0	0.001	0.000	0.005	0	54
	non noble metal	nickel	7440-02-0	0.328	0.005		54	
solder	non noble metal	antimony	7440-36-0	0.145	0.002	0.024	24	239
	noble metal	silver	7440-22-4	0.363	0.006		60	
	non noble metal	tin	7440-31-5	0.945	0.016		155	
*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 does not use any exemption.

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