



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKN03N60RC2	Issued	06. February 2022
MA#	MA005350175		
Package	PG-SOT223-3-1	Weight*	115.27 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	0.420	0.36	0.36	3643	3643
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		136	
	non noble metal	iron	7439-89-6	0.052	0.05		454	
	non noble metal	copper	7440-50-8	52.304	45.38	45.44	453760	454350
wires	noble metal	palladium	7440-05-3	0.001			8	
	non noble metal	copper	7440-50-8	0.093	0.08	0.08	807	815
encapsulation	organic material	carbon black	1333-86-4	0.181	0.16		1568	
	plastics	epoxy resin	-	7.047	6.11		61134	
	inorganic material	silicondioxide	60676-86-0	53.001	45.99	52.26	459810	522512
leadfinish	non noble metal	tin	7440-31-5	1.352	1.17	1.17	11730	11730
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1913	1913
solder	non noble metal	tin	7440-31-5	0.012	0.01		101	
	noble metal	silver	7440-22-4	0.015	0.01		126	
	non noble metal	lead	7439-92-1	0.554	0.48	0.50	4810	5037
*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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