



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKN06N60RC2	Issued	06. February 2022
MA#	MA005350177		
Package	PG-SOT223-3-1	Weight*	115.59 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	0.696	0.60	0.60	6022	6022
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		136	
	non noble metal	iron	7439-89-6	0.052	0.05		453	
	non noble metal	copper	7440-50-8	52.304	45.25	45.31	452481	453070
wires	noble metal	palladium	7440-05-3	0.001			11	
	non noble metal	copper	7440-50-8	0.130	0.11	0.11	1125	1136
encapsulation	organic material	carbon black	1333-86-4	0.180	0.16		1555	
	plastics	epoxy resin	-	7.012	6.07		60657	
	inorganic material	silicondioxide	60676-86-0	52.736	45.61	51.84	456220	518432
leadfinish	non noble metal	tin	7440-31-5	1.352	1.17	1.17	11697	11697
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1908	1908
solder	non noble metal	tin	7440-31-5	0.018	0.02		155	
	noble metal	silver	7440-22-4	0.022	0.02		193	
	non noble metal	lead	7439-92-1	0.854	0.74	0.78	7387	7735
*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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