



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPN50R1K4CE	<b>Issued</b>	08. February 2022
<b>MA#</b>	MA005620696		
<b>Package</b>	PG-SOT223-3-1	<b>Weight*</b>	116.40 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	1.378	1.18	1.18	11842	11842
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		135	
	non noble metal	iron	7439-89-6	0.052	0.04		450	
	non noble metal	copper	7440-50-8	52.304	44.95	45.00	449332	449917
wire	non noble metal	copper	7440-50-8	0.158	0.14	0.14	1357	1357
encapsulation	organic material	carbon black	1333-86-4	0.178	0.15		1525	
	plastics	epoxy resin	-	6.925	5.95		59489	
	inorganic material	silicondioxide	60676-86-0	52.084	44.74	50.84	447440	508454
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11616	11616
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1894	1894
solder	non noble metal	tin	7440-31-5	0.035	0.03		298	
	noble metal	silver	7440-22-4	0.043	0.04		373	
	non noble metal	lead	7439-92-1	1.659	1.42	1.49	14249	14920
*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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