



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPN70R2K1CE	<b>Issued</b>	12. May 2021
<b>MA#</b>	MA001809732		
<b>Package</b>	PG-SOT223-3-1	<b>Weight*</b>	116.51 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	1.525	1.31	1.31	13086	13086
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	44.90	44.95	448914	449499
wire	non noble metal	copper	7440-50-8	0.149	0.13	0.13	1283	1283
encapsulation	organic material	carbon black	1333-86-4	0.177	0.15		1520	
	plastics	epoxy resin	-	6.908	5.93		59286	
	inorganic material	silicondioxide	60676-86-0	51.954	44.59	50.67	445915	506721
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11605	11605
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1892	1892
solder	non noble metal	tin	7440-31-5	0.037	0.03		318	
	noble metal	silver	7440-22-4	0.046	0.04		398	
	non noble metal	lead	7439-92-1	1.771	1.52	1.59	15198	15914
*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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