



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPN70R1K4P7S

**Issued**

08. February 2022

**MA#** MA005620025

**Package** PG-SOT223-3-1

**Weight\***

116.02 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	0.908	0.78	0.78	7826	7826
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		135	
	non noble metal	iron	7439-89-6	0.052	0.05		451	
	non noble metal	copper	7440-50-8	52.304	45.08	45.14	450804	451390
wire	non noble metal	copper	7440-50-8	0.157	0.14	0.14	1353	1353
encapsulation	organic material	carbon black	1333-86-4	0.179	0.15		1543	
	plastics	epoxy resin	-	6.980	6.02		60160	
	inorganic material	silicondioxide	60676-86-0	52.499	45.24	51.41	452481	514184
leadfinish	non noble metal	tin	7440-31-5	1.352	1.17	1.17	11654	11654
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1900	1900
solder	non noble metal	tin	7440-31-5	0.027	0.02		234	
	noble metal	silver	7440-22-4	0.034	0.03		292	
	non noble metal	lead	7439-92-1	1.296	1.12	1.17	11167	11693
*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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