



## Material Content Data Sheet



<b>Sales Product Name</b>		IPN80R2K0P7		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA002116608						
<b>Package</b>		PG-SOT223-3-1		<b>Weight*</b>		116.16 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	1.085	0.93	0.93	9344	9344
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	45.03	45.09	450263	450849
	non noble metal	copper	7440-50-8	0.154	0.13	0.13	1329	1329
wire	non noble metal	copper	7440-50-8	0.154	0.13	0.13	1329	1329
encapsulation	organic material	carbon black	1333-86-4	0.178	0.15		1536	
	plastics	epoxy resin	-	6.959	5.99		59907	
	inorganic material	silicondioxide	60676-86-0	52.341	45.07	51.21	450582	512025
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11640	11640
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1898	1898
solder	non noble metal	tin	7440-31-5	0.030	0.03		258	
	noble metal	silver	7440-22-4	0.038	0.03		323	
	non noble metal	lead	7439-92-1	1.433	1.23	1.29	12334	12915
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com