



## Material Content Data Sheet



<b>Sales Product Name</b>		IPN50R800CE		<b>Issued</b>		24. January 2018			
<b>MA#</b>		MA001637200							
<b>Package</b>		PG-SOT223-3-1		<b>Weight*</b>		116.91 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	2.092	1.79	1.79	17891	17891	
leadframe	non noble metal	iron	7439-89-6	0.052	0.04		448		
	inorganic material	phosphorus	7723-14-0	0.016	0.01		134		
	non noble metal	copper	7440-50-8	52.304	44.75	44.80	447398	447980	
wire	non noble metal	copper	7440-50-8	0.154	0.13	0.13	1318	1318	
encapsulation	organic material	carbon black	1333-86-4	0.175	0.15		1501		
	plastics	epoxy resin	-	6.843	5.85		58531		
	inorganic material	silicondioxide	60676-86-0	51.466	44.02	50.02	440230	500262	
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11566	11566	
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1886	1886	
solder	noble metal	silver	7440-22-4	0.056	0.05		477		
	non noble metal	tin	7440-31-5	0.045	0.04		382		
	non noble metal	lead	7439-92-1	2.132	1.82	1.91	18238	19097	
*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