



## Material Content Data Sheet



<b>Sales Product Name</b>		BSP452		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA004645442						
<b>Package</b>		PG-SOT223-4-34		<b>Weight*</b>		113.65 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	2.667	2.35	2.35	23462	23462
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		91	
	non noble metal	titanium	7440-32-6	0.052	0.05		455	
	non noble metal	chromium	7440-47-3	0.155	0.14		1366	
	non noble metal	copper	7440-50-8	51.532	45.33	45.53	453410	455322
wire	noble metal	gold	7440-57-5	0.189	0.17	0.17	1663	1663
encapsulation	organic material	carbon black	1333-86-4	0.448	0.39		3939	
	plastics	brominated resin	-	0.560	0.49		4924	
	inorganic material	antimonytrioxide	1309-64-4	1.119	0.98		9848	
	plastics	epoxy resin	-	10.186	8.96		89620	
	inorganic material	silicondioxide	60676-86-0	43.652	38.41	49.23	384084	492415
leadfinish	non noble metal	tin	7440-31-5	1.465	1.29	1.29	12892	12892
plating	noble metal	silver	7440-22-4	0.756	0.67	0.67	6652	6652
glue	plastics	epoxy resin	-	0.151	0.13		1329	
	noble metal	silver	7440-22-4	0.712	0.63	0.76	6265	7594
*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 does not use any exemption

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