



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BSP 51 H6327	<b>Issued</b>	05. May 2021
<b>MA#</b>	MA001216722		
<b>Package</b>	PG-SOT223-4-24	<b>Weight*</b>	107.18 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.003			27	
	noble metal	gold	7440-57-5	0.011	0.01		105	
	inorganic material	silicon	7440-21-3	0.137	0.13	0.14	1278	1410
leadframe	inorganic material	silicon	7440-21-3	0.009	0.01		80	
	non noble metal	titanium	7440-32-6	0.043	0.04		398	
	non noble metal	chromium	7440-47-3	0.128	0.12		1193	
	non noble metal	copper	7440-50-8	42.459	39.61	39.78	396147	397818
wire	non noble metal	copper	7440-50-8	0.080	0.07	0.07	746	746
encapsulation	organic material	carbon black	1333-86-4	0.624	0.58		5818	
	plastics	epoxy resin	-	9.353	8.73		87263	
	inorganic material	silicondioxide	60676-86-0	52.376	48.87	58.18	488670	581751
leadfinish	non noble metal	tin	7440-31-5	1.464	1.37	1.37	13659	13659
plating	noble metal	silver	7440-22-4	0.495	0.46	0.46	4616	4616
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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