



Material Content Data Sheet



Sales Product Name	BSP452	Issued	26. July 2021
MA#	MA005405952		
Package	PG-SOT223-4-34	Weight*	113.64 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	23465	23465
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	45.35	45.55	453465	455377
wire	noble metal	gold	7440-57-5	0.174	0.15	0.15	1529	1529
encapsulation	organic material	carbon black	1333-86-4	0.448	0.39		3940	
	plastics	brominated resin	-	0.560	0.49		4925	
	inorganic material	antimonytrioxide	1309-64-4	1.119	0.98		9850	
	plastics	epoxy resin	-	10.186	8.96		89633	
	inorganic material	silicondioxide	60676-86-0	43.654	38.41	49.23	384141	492489
leadfinish	non noble metal	tin	7440-31-5	1.465	1.29	1.29	12894	12894
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.
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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.

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