

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSP171P H6327	**Issued**	02. April 2021
MA#	MA001623318		
Package	PG-SOT223-4-21	**Weight***	113.69 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	0.020	0.02		175	
	noble metal	gold	7440-57-5	0.077	0.07		679	
	inorganic material	silicon	7440-21-3	0.875	0.77	0.86	7700	8554
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		89	
	non noble metal	titanium	7440-32-6	0.051	0.04		446	
	non noble metal	chromium	7440-47-3	0.152	0.13		1338	
	non noble metal	copper	7440-50-8	50.489	44.41	44.59	444095	445968
wire	non noble metal	copper	7440-50-8	0.091	0.08	0.08	798	798
encapsulation	inorganic material	zincoxide	1314-13-2	0.300	0.26		2636	
	organic material	carbon black	1333-86-4	0.599	0.53		5273	
	miscellaneous	miscellaneous	-	1.199	1.05		10546	
	plastics	epoxy resin	-	8.093	7.12		71184	
	inorganic material	silicondioxide	60676-86-0	49.757	43.77	52.73	437652	527291
leadfinish	non noble metal	tin	7440-31-5	1.464	1.29	1.29	12877	12877
plating	noble metal	silver	7440-22-4	0.513	0.45	0.45	4512	4512
*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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