



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BSP171P H6327	<b>Issued</b>	02. April 2021
<b>MA#</b>	MA001623318		
<b>Package</b>	PG-SOT223-4-21	<b>Weight*</b>	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:

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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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