



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** BSP317P H6327

**Issued**

02. April 2021

**MA#** MA001623188

**Package** PG-SOT223-4-21

**Weight\***

113.61 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	0.018	0.02		154	
	noble metal	gold	7440-57-5	0.068	0.06		598	
	inorganic material	silicon	7440-21-3	0.770	0.68	0.76	6776	7528
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		1339	
	non noble metal	copper	7440-50-8	50.489	44.44	44.62	444419	446293
wire	non noble metal	copper	7440-50-8	0.020	0.02	0.02	174	174
encapsulation	inorganic material	zinc oxide	1314-13-2	0.300	0.26		2643	
	organic material	carbon black	1333-86-4	0.601	0.53		5286	
	miscellaneous	miscellaneous	-	1.201	1.06		10572	
	plastics	epoxy resin	-	8.107	7.14		71361	
	inorganic material	silicon dioxide	60676-86-0	49.844	43.87	52.86	438741	528603
lead finish	non noble metal	tin	7440-31-5	1.464	1.29	1.29	12886	12886
plating	noble metal	silver	7440-22-4	0.513	0.45	0.45	4516	4516
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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