

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSP320S H6327	**Issued**	18. August 2021
MA#	MA001623832		
Package	PG-SOT223-4-21	**Weight***	113.74 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		159	
	noble metal	gold	7440-57-5	0.070	0.06		617	
	inorganic material	silicon	7440-21-3	1.070	0.94	1.02	9407	10183
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		1337	
	non noble metal	copper	7440-50-8	50.489	44.39	44.57	443894	445766
wire	non noble metal	copper	7440-50-8	0.126	0.11	0.11	1107	1107
encapsulation	organic material	carbon black	1333-86-4	0.598	0.53		5256	
	plastics	epoxy resin	-	8.967	7.88		78834	
	inorganic material	silicondioxide	60676-86-0	50.214	44.15	52.56	441473	525563
leadfinish	non noble metal	tin	7440-31-5	1.464	1.29	1.29	12871	12871
plating	noble metal	silver	7440-22-4	0.513	0.45	0.45	4510	4510
*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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