



Material Content Data Sheet



Halogen-Free

Sales Product Name BSP322P H6327

Issued

02. April 2021

MA# MA001623828

Package PG-SOT223-4-21

Weight*

113.65 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	0.019	0.02		167	
	noble metal	gold	7440-57-5	0.074	0.06		648	
	inorganic material	silicon	7440-21-3	0.835	0.73	0.81	7344	8159
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	44.43	44.61	444236	446109
wire	non noble metal	copper	7440-50-8	0.058	0.05	0.05	509	509
encapsulation	inorganic material	zinc oxide	1314-13-2	0.300	0.26		2639	
	organic material	carbon black	1333-86-4	0.600	0.53		5278	
	miscellaneous	miscellaneous	-	1.200	1.06		10557	
	plastics	epoxy resin	-	8.099	7.13		71257	
	inorganic material	silicon dioxide	60676-86-0	49.791	43.81	52.79	438097	527828
lead finish	non noble metal	tin	7440-31-5	1.464	1.29	1.29	12881	12881
plating	noble metal	silver	7440-22-4	0.513	0.45	0.45	4514	4514
*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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