

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSP296N H6327	**Issued**	24. January 2018
MA#	MA001627172		
Package	PG-SOT223-4-21	**Weight***	113.53 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	0.006	0.01		51	
	noble metal	gold	7440-57-5	0.023	0.02		199	
	inorganic material	silicon	7440-21-3	0.345	0.30	0.33	3040	3290
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		89	
	non noble metal	titanium	7440-32-6	0.051	0.04		447	
	non noble metal	chromium	7440-47-3	0.152	0.13		1340	
	non noble metal	copper	7440-50-8	50.489	44.47	44.65	444725	446601
wire	non noble metal	copper	7440-50-8	0.073	0.06	0.06	642	642
encapsulation	organic material	carbon black	1333-86-4	0.604	0.53		5321	
	plastics	epoxy resin	-	9.061	7.98		79808	
	inorganic material	silicondioxide	60676-86-0	50.739	44.71	53.22	446924	532053
leadfinish	non noble metal	tin	7440-31-5	1.464	1.29	1.29	12895	12895
plating	noble metal	silver	7440-22-4	0.513	0.45	0.45	4519	4519
*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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