

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSS123I	**Issued**	25. June 2021
MA#	MA005563488		
Package	PG-SOT23-3-5	**Weight***	9.32 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	0.002	0.02		163	
	noble metal	gold	7440-57-5	0.006	0.06		633	
	inorganic material	silicon	7440-21-3	0.090	0.97	1.05	9658	10454
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		65	
	non noble metal	titanium	7440-32-6	0.003	0.03		323	
	non noble metal	chromium	7440-47-3	0.009	0.10		970	
	non noble metal	copper	7440-50-8	3.000	32.18	32.32	321846	323204
wire	non noble metal	copper	7440-50-8	0.008	0.09	0.09	893	893
encapsulation	organic material	carbon black	1333-86-4	0.058	0.62		6189	
	plastics	epoxy resin	-	1.240	13.31		133061	
	inorganic material	silicondioxide	60676-86-0	4.471	47.95	61.88	479638	618888
leadfinish	non noble metal	tin	7440-31-5	0.150	1.61	1.61	16052	16052
plating	noble metal	silver	7440-22-4	0.284	3.05	3.05	30509	30509
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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