



Material Content Data Sheet



Halogen-Free

Sales Product Name	BCX 51 H6327	Issued	05. May 2021
MA#	MA001210576		
Package	PG-SOT89-4-3	Weight*	53.17 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	0.004	0.01		83	
	noble metal	gold	7440-57-5	0.017	0.03		322	
	inorganic material	silicon	7440-21-3	0.209	0.39	0.43	3927	4332
leadframe	inorganic material	silicon	7440-21-3	0.005	0.01		95	
	non noble metal	titanium	7440-32-6	0.025	0.05		474	
	non noble metal	chromium	7440-47-3	0.076	0.14		1423	
	non noble metal	copper	7440-50-8	25.112	47.24	47.44	472308	474300
wire	non noble metal	copper	7440-50-8	0.049	0.09	0.09	924	924
encapsulation	inorganic material	zinc oxide	1314-13-2	0.134	0.25		2520	
	organic material	carbon black	1333-86-4	0.268	0.50		5040	
	miscellaneous	miscellaneous	-	0.536	1.01		10080	
	plastics	epoxy resin	-	3.617	6.80		68039	
	inorganic material	silicon dioxide	60676-86-0	22.241	41.83	50.39	418312	503991
lead finish	non noble metal	tin	7440-31-5	0.801	1.51	1.51	15071	15071
plating	noble metal	silver	7440-22-4	0.073	0.14	0.14	1382	1382
*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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com