



Material Content Data Sheet



Halogen-Free

Sales Product Name	BCR 431U	Issued	14. February 2022
MA#	MA005622738		
Package	PG-SOT23-6-3	Weight*	18.51 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	0.410	2.22	2.22	22150	22150
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		118	
	non noble metal	zinc	7440-66-6	0.009	0.05		472	
	non noble metal	iron	7439-89-6	0.175	0.94		9440	
	non noble metal	copper	7440-50-8	7.097	38.33	39.33	383318	393348
wires	noble metal	palladium	7440-05-3	0.000			8	
	non noble metal	copper	7440-50-8	0.015	0.08	0.08	804	812
encapsulation	organic material	carbon black	1333-86-4	0.020	0.11		1070	
	plastics	epoxy resin	-	1.515	8.18		81827	
	inorganic material	silicondioxide	60676-86-0	8.367	45.19	53.48	451919	534816
leadfinish	non noble metal	tin	7440-31-5	0.465	2.51	2.51	25106	25106
plating	noble metal	silver	7440-22-4	0.175	0.94	0.94	9432	9432
glue	plastics	acrylic resin	-	0.058	0.32		3154	
	noble metal	silver	7440-22-4	0.207	1.12	1.44	11182	14336
*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.

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