



Material Content Data Sheet



Halogen-Free

Sales Product Name	BCR 431U	Issued	18. August 2021
MA#	MA005344895		
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:

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2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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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