



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BSO220N03MD G	<b>Issued</b>	14. April 2021
<b>MA#</b>	MA005400456		
<b>Package</b>	PG-DSO-8-40	<b>Weight*</b>	82.32 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.346	0.42	0.42	4200	4200
chip_2	inorganic material	silicon	7440-21-3	0.346	0.42	0.42	4200	4200
leadframe	inorganic material	phosphorus	7723-14-0	0.010	0.01		119	
	non noble metal	zinc	7440-66-6	0.039	0.05		477	
	non noble metal	iron	7439-89-6	0.785	0.95		9538	
	non noble metal	copper	7440-50-8	31.880	38.73	39.74	387264	397398
wire	non noble metal	copper	7440-50-8	0.253	0.31	0.31	3078	3078
encapsulation	organic material	carbon black	1333-86-4	0.237	0.29		2878	
	plastics	epoxy resin	-	7.344	8.92		89206	
	inorganic material	silicondioxide	60676-86-0	39.798	48.34	57.55	483437	575521
leadfinish	non noble metal	tin	7440-31-5	0.814	0.99	0.99	9886	9886
plating	noble metal	silver	7440-22-4	0.063	0.08	0.08	763	763
glue	plastics	epoxy resin	-	0.061	0.07		743	
	noble metal	silver	7440-22-4	0.347	0.42	0.49	4211	4954
*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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