



Material Content Data Sheet



Halogen-Free

Sales Product Name	BSC035N10NS5	Issued	17. April 2021
MA#	MA005425372		
Package	PG-TDSON-8-46	Weight*	117.21 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	1.818	1.55	1.55	15514	15514
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		126	
	non noble metal	iron	7439-89-6	0.049	0.04		419	
	non noble metal	copper	7440-50-8	49.082	41.88	41.93	418742	419287
wire	noble metal	gold	7440-57-5	0.044	0.04	0.04	380	380
encapsulation	organic material	carbon black	1333-86-4	0.080	0.07		679	
	plastics	epoxy resin	-	6.284	5.36		53615	
	inorganic material	silicondioxide	60676-86-0	33.410	28.50	33.93	285040	339334
leadfinish	non noble metal	tin	7440-31-5	1.452	1.24	1.24	12385	12385
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1412	1412
solder	non noble metal	tin	7440-31-5	0.050	0.04		425	
	noble metal	silver	7440-22-4	0.062	0.05		531	
	non noble metal	lead	7439-92-1	2.380	2.03	2.12	20303	21259
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		57	
	non noble metal	iron	7439-89-6	0.022	0.02		190	
	non noble metal	copper	7440-50-8	22.292	19.02	19.05	190182	190429
*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.
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.
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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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