



Material Content Data Sheet



Halogen-Free

Sales Product Name	BSC027N10NS5	Issued	12. April 2021
MA#	MA002116640		
Package	PG-TSON-8-3	Weight*	124.23 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	2.913	2.34	2.34	23448	23448
leadframe	inorganic material	phosphorus	7723-14-0	0.012	0.01		93	
	non noble metal	zinc	7440-66-6	0.046	0.04		371	
	non noble metal	iron	7439-89-6	0.922	0.74		7418	
	non noble metal	copper	7440-50-8	37.418	30.12	30.91	301209	309091
wire	noble metal	gold	7440-57-5	0.053	0.04	0.04	428	428
encapsulation	organic material	carbon black	1333-86-4	0.093	0.07		746	
	plastics	epoxy resin	-	4.771	3.84		38406	
	inorganic material	silicondioxide	60676-86-0	41.457	33.38	37.29	333720	372872
leadfinish	non noble metal	tin	7440-31-5	1.343	1.08	1.08	10809	10809
plating	noble metal	silver	7440-22-4	0.030	0.02	0.02	244	244
solder	non noble metal	tin	7440-31-5	0.071	0.06		573	
	noble metal	silver	7440-22-4	0.089	0.07		716	
	non noble metal	lead	7439-92-1	3.398	2.74	2.87	27356	28645
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.009	0.01		76	
	non noble metal	iron	7439-89-6	0.032	0.03		254	
	non noble metal	copper	7440-50-8	31.570	25.41	25.45	254133	254463
*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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