

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC110N15NS5	**Issued**	27. April 2022
MA#	MA005723491		
Package	PG-TDSON-8-50	**Weight***	106.18 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	1.575	1.48	1.48	14834	14834
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		128	
	non noble metal	zinc	7440-66-6	0.055	0.05		513	
	non noble metal	iron	7439-89-6	1.090	1.03		10268	
	non noble metal	copper	7440-50-8	44.271	41.69	42.78	416935	427844
wire	noble metal	gold	7440-57-5	0.042	0.04	0.04	397	397
encapsulation	organic material	carbon black	1333-86-4	0.081	0.08		761	
	plastics	epoxy resin	-	6.382	6.01		60101	
	inorganic material	silicondioxide	60676-86-0	33.928	31.95	38.04	319525	380387
leadfinish	non noble metal	tin	7440-31-5	1.264	1.19	1.19	11901	11901
plating	noble metal	silver	7440-22-4	0.029	0.03	0.03	273	273
solder	noble metal	silver	7440-22-4	0.053	0.05		502	
	non noble metal	tin	7440-31-5	0.107	0.10		1004	
	non noble metal	lead	7439-92-1	1.972	1.86	2.01	18573	20079
heat sink clip	inorganic material	phosphorus	7723-14-0	0.005			43	
	non noble metal	zinc	7440-66-6	0.018	0.02		173	
	non noble metal	iron	7439-89-6	0.368	0.35		3463	
	non noble metal	copper	7440-50-8	14.930	14.06	14.43	140606	144285
*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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