



Material Content Data Sheet



Halogen-Free

Sales Product Name	BSC0502NSI	Issued	21. August 2021
MA#	MA001300028		
Package	PG-TDSON-8-6	Weight*	115.54 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	0.326	0.28	0.28	2822	2822
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		128	
	non noble metal	iron	7439-89-6	0.049	0.04		425	
	non noble metal	copper	7440-50-8	49.082	42.48	42.53	424801	425354
wire	non noble metal	copper	7440-50-8	0.022	0.02	0.02	186	186
encapsulation	organic material	carbon black	1333-86-4	0.083	0.07		720	
	plastics	epoxy resin	-	5.905	5.11		51105	
	inorganic material	silicondioxide	60676-86-0	35.595	30.81	35.99	308071	359896
leadfinish	non noble metal	tin	7440-31-5	1.452	1.26	1.26	12564	12564
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1433	1433
solder	non noble metal	tin	7440-31-5	0.011	0.01		91	
	noble metal	silver	7440-22-4	0.013	0.01		114	
	non noble metal	lead	7439-92-1	0.503	0.44	0.46	4356	4561
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		58	
	non noble metal	iron	7439-89-6	0.022	0.02		193	
	non noble metal	copper	7440-50-8	22.292	19.29	19.32	192933	193184
*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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