



Material Content Data Sheet



Sales Product Name				BSC190N15NS3 G		Issued		19. July 2018	
MA#				MA001505978					
Package				PG-TDSON-8-39		Weight*		121.79 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	4.419	3.63	3.63	36280	36280	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		310		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		93		
	non noble metal	copper	7440-50-8	37.762	31.00	31.04	310056	310459	
wire	non noble metal	copper	7440-50-8	0.065	0.05	0.05	531	531	
encapsulation	organic material	carbon black	1333-86-4	0.079	0.07		652		
	plastics	epoxy resin	-	6.274	5.15		51518		
	inorganic material	silicondioxide	60676-86-0	33.357	27.39	32.61	273892	326062	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.19	1.19	11919	11919	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1359	1359	
solder	noble metal	silver	7440-22-4	0.087	0.07		715		
	non noble metal	tin	7440-31-5	0.070	0.06		572		
	non noble metal	lead	7439-92-1	3.324	2.73	2.86	27295	28582	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		93		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.29	9.30	92947	93068	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		183		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
	noble metal	silver	7440-22-4	1.032	0.85		8470		
	non noble metal	copper	7440-50-8	22.292	18.30	19.18	183032	191740	
*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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