



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS118D	Issued	17. February 2022
MA#	MA005698979		
Package	PG-TO252-3-11	Weight*	370.24 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	1.872	0.51	0.51	5056	5056
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		174	
	non noble metal	iron	7439-89-6	0.215	0.06		582	
	non noble metal	copper	7440-50-8	215.017	58.08	58.16	580751	581507
wire	non noble metal	aluminium	7429-90-5	0.641	0.17	0.17	1733	1733
encapsulation	inorganic material	zinc oxide	1314-13-2	1.273	0.34		3439	
	miscellaneous	miscellaneous	-	6.366	1.72		17193	
	plastics	epoxy resin	-	19.097	5.16		51579	
	inorganic material	silicon dioxide	60676-86-0	100.575	27.16	34.38	271649	343860
lead finish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10102	10102
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	245	246
solder	non noble metal	tin	7440-31-5	0.042	0.01		113	
	noble metal	silver	7440-22-4	0.052	0.01		141	
	non noble metal	lead	7439-92-1	1.991	0.54	0.56	5377	5631
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			16	
	non noble metal	iron	7439-89-6	0.019	0.01		52	
	non noble metal	copper	7440-50-8	19.177	5.18	5.19	51797	51865
*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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