



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS3018TC	Issued	20. March 2021
MA#	MA001174948		
Package	PG-TO263-3-2	Weight*	1601.99 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	9.596	0.60	0.60	5990	5990
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		57	
	non noble metal	iron	7439-89-6	0.304	0.02		190	
	non noble metal	copper	7440-50-8	304.026	18.98	19.01	189780	190027
wire	non noble metal	aluminium	7429-90-5	4.338	0.27	0.27	2708	2708
encapsulation	organic material	carbon black	1333-86-4	1.438	0.09		898	
	plastics	epoxy resin	-	66.148	4.13		41291	
	inorganic material	silicondioxide	60676-86-0	651.414	40.66	44.88	406627	448816
leadfinish	non noble metal	tin	7440-31-5	9.657	0.60	0.60	6028	6028
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	143	144
solder	non noble metal	tin	7440-31-5	0.127	0.01		80	
	noble metal	silver	7440-22-4	0.159	0.01		99	
	non noble metal	lead	7439-92-1	6.085	0.38	0.40	3798	3977
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		103	
	non noble metal	iron	7439-89-6	0.548	0.03		342	
	non noble metal	copper	7440-50-8	547.666	34.19	34.23	341865	342310
*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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