

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTS441TG	**Issued**	03. May 2021
MA#	MA000922334		
Package	PG-TO263-5-2	**Weight***	1549.14 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	8.276	0.53	0.53	5342	5342
leadframe	inorganic material	phosphorus	7723-14-0	0.237	0.02		153	
	non noble metal	iron	7439-89-6	0.790	0.05		510	
	non noble metal	copper	7440-50-8	788.527	50.90	50.97	509009	509672
wire	non noble metal	aluminium	7429-90-5	4.060	0.26	0.26	2621	2621
encapsulation	organic material	carbon black	1333-86-4	1.239	0.08		800	
	plastics	epoxy resin	-	57.012	3.68		36802	
	inorganic material	silicondioxide	60676-86-0	561.441	36.24	40.00	362420	400022
leadfinish	non noble metal	tin	7440-31-5	10.339	0.67	0.67	6674	6674
plating	inorganic material	phosphorus	7723-14-0	0.008			5	
	non noble metal	nickel	7440-02-0	3.422	0.22	0.22	2209	2214
solder	non noble metal	tin	7440-31-5	0.114	0.01		74	
	noble metal	silver	7440-22-4	0.143	0.01		92	
	non noble metal	lead	7439-92-1	5.452	0.35	0.37	3519	3685
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			21	
	non noble metal	iron	7439-89-6	0.108	0.01		70	
	non noble metal	copper	7440-50-8	107.943	6.97	6.98	69679	69770
*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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