



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BTS452R	<b>Issued</b>	02. June 2021
<b>MA#</b>	MA002319704		
<b>Package</b>	PG-TO252-5-11	<b>Weight*</b>	355.79 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	2.188	0.62	0.62	6150	6150
leadframe	inorganic material	phosphorus	7723-14-0	0.061	0.02		172	
	non noble metal	iron	7439-89-6	0.205	0.06		575	
	non noble metal	copper	7440-50-8	204.243	57.39	57.47	574053	574800
wire	non noble metal	aluminium	7429-90-5	0.194	0.05	0.05	544	544
encapsulation	inorganic material	zinc oxide	1314-13-2	1.414	0.40		3976	
	miscellaneous	miscellaneous	-	7.072	1.99		19877	
	plastics	epoxy resin	-	21.217	5.96		59632	
	inorganic material	silicon dioxide	60676-86-0	111.742	31.41	39.76	314064	397549
lead finish	non noble metal	tin	7440-31-5	5.072	1.43	1.43	14257	14257
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.076	0.02	0.02	214	215
solder	non noble metal	tin	7440-31-5	0.046	0.01		130	
	noble metal	silver	7440-22-4	0.058	0.02		162	
	non noble metal	lead	7439-92-1	2.203	0.62	0.65	6193	6485
*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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