



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS3046SDR	Issued	13. May 2021
MA#	MA002229756		
Package	PG-TO252-3-11	Weight*	371.46 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	3.370	0.91	0.91	9071	9071
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		174	
	non noble metal	iron	7439-89-6	0.215	0.06		580	
	non noble metal	copper	7440-50-8	215.017	57.87	57.95	578835	579589
wire	non noble metal	aluminium	7429-90-5	1.253	0.34	0.34	3374	3374
encapsulation	inorganic material	zinc oxide	1314-13-2	1.255	0.34		3378	
	miscellaneous	miscellaneous	-	6.273	1.69		16888	
	plastics	epoxy resin	-	18.820	5.07		50664	
	inorganic material	silicon dioxide	60676-86-0	99.118	26.68	33.78	266831	337761
lead finish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10068	10068
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	244	245
solder	non noble metal	tin	7440-31-5	0.061	0.02		164	
	noble metal	silver	7440-22-4	0.076	0.02		205	
	non noble metal	lead	7439-92-1	2.908	0.78	0.82	7828	8197
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	5.16	5.17	51627	51695
*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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