



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS50055-1TMC	Issued	01. May 2021
MA#	MA000842968		
Package	PG-TO220-7-4	Weight*	1532.44 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	13.394	0.87	0.87	8740	8740
chip_2	inorganic material	silicon	7440-21-3	2.120	0.14	0.14	1383	1383
leadframe	inorganic material	phosphorus	7723-14-0	0.241	0.02		157	
	non noble metal	iron	7439-89-6	0.804	0.05		525	
	non noble metal	copper	7440-50-8	802.842	52.41	52.48	523896	524578
wire	non noble metal	aluminium	7429-90-5	6.640	0.43	0.43	4333	4333
encapsulation	inorganic material	zincoxide	1314-13-2	5.793	0.38		3781	
	miscellaneous	miscellaneous	-	23.174	1.51		15122	
	plastics	epoxy resin	-	86.901	5.67		56708	
	inorganic material	silicondioxide	60676-86-0	463.473	30.24	37.80	302440	378051
leadfinish	non noble metal	tin	7440-31-5	12.090	0.79	0.79	7890	7890
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.216	0.01	0.01	141	142
solder	non noble metal	tin	7440-31-5	0.164	0.01		107	
	noble metal	silver	7440-22-4	0.205	0.01		134	
	non noble metal	lead	7439-92-1	7.820	0.51	0.53	5103	5344
glue	plastics	Polyimide	26023-21-2	0.217	0.01	0.01	142	142
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			21	
	non noble metal	iron	7439-89-6	0.106	0.01		69	
	non noble metal	copper	7440-50-8	106.210	6.93	6.94	69307	69397
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com