

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTT6050-1ERA	**Issued**	27. April 2022
MA#	MA005715097		
Package	PG-TDSO-14-11	**Weight***	110.50 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	1.990	1.80	1.80	18009	18009
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		134	
	non noble metal	zinc	7440-66-6	0.059	0.05		534	
	non noble metal	iron	7439-89-6	1.181	1.07		10687	
	non noble metal	copper	7440-50-8	47.949	43.41	44.54	433935	445290
wire	non noble metal	copper	7440-50-8	0.469	0.42	0.42	4240	4240
encapsulation	organic material	carbon black	1333-86-4	0.154	0.14		1397	
	plastics	epoxy resin	-	6.019	5.45		54469	
	inorganic material	silicondioxide	60676-86-0	45.269	40.97	46.56	409680	465546
leadfinish	non noble metal	tin	7440-31-5	2.346	2.12	2.12	21227	21227
plating	noble metal	silver	7440-22-4	1.355	1.23	1.23	12263	12263
glue	plastics	epoxy resin	-	0.125	0.11		1131	
	noble metal	silver	7440-22-4	0.589	0.53	0.64	5333	6464
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			8	
	non noble metal	zinc	7440-66-6	0.004			32	
	non noble metal	iron	7439-89-6	0.072	0.06		647	
	non noble metal	copper	7440-50-8	2.903	2.63	2.69	26274	26961
*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 does not use any exemption.

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