



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTT6050-2ERA	Issued	18. August 2021
MA#	MA005578988		
Package	PG-TDSO-14-31	Weight*	111.48 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	3.421	3.07	3.07	30687	30687
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		133	
	non noble metal	zinc	7440-66-6	0.059	0.05		533	
	non noble metal	iron	7439-89-6	1.188	1.07		10656	
	non noble metal	copper	7440-50-8	48.235	43.30	44.43	432660	443982
wire	non noble metal	copper	7440-50-8	0.984	0.88	0.88	8829	8829
encapsulation	organic material	carbon black	1333-86-4	0.150	0.13		1341	
	plastics	epoxy resin	-	5.832	5.23		52309	
	inorganic material	silicondioxide	60676-86-0	43.862	39.34	44.70	393435	447085
leadfinish	non noble metal	tin	7440-31-5	2.346	2.10	2.10	21039	21039
plating	noble metal	silver	7440-22-4	1.364	1.22	1.22	12239	12239
glue	plastics	epoxy resin	-	0.184	0.16		1648	
	noble metal	silver	7440-22-4	0.866	0.78	0.94	7768	9416
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		641	
	non noble metal	copper	7440-50-8	2.903	2.60	2.66	26042	26723
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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.

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