



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BTT6050-1ERA	<b>Issued</b>	27. April 2022
<b>MA#</b>	MA005715097		
<b>Package</b>	PG-TDSO-14-11	<b>Weight*</b>	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:

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