



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BTT6020-1ERA	<b>Issued</b>	27. April 2022
<b>MA#</b>	MA005715089		
<b>Package</b>	PG-TDSO-14-11	<b>Weight*</b>	110.94 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	3.172	2.86	2.86	28596	28596
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		133	
	non noble metal	zinc	7440-66-6	0.059	0.05		532	
	non noble metal	iron	7439-89-6	1.181	1.06		10644	
	non noble metal	copper	7440-50-8	47.949	43.25	44.37	432209	443518
wire	non noble metal	copper	7440-50-8	0.680	0.61	0.61	6128	6128
encapsulation	organic material	carbon black	1333-86-4	0.151	0.14		1359	
	plastics	epoxy resin	-	5.878	5.30		52987	
	inorganic material	silicondioxide	60676-86-0	44.213	39.85	45.29	398538	452884
leadfinish	non noble metal	tin	7440-31-5	2.346	2.11	2.11	21143	21143
plating	noble metal	silver	7440-22-4	1.355	1.22	1.22	12214	12214
glue	plastics	epoxy resin	-	0.168	0.15		1516	
	noble metal	silver	7440-22-4	0.793	0.71	0.86	7147	8663
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		645	
	non noble metal	copper	7440-50-8	2.903	2.62	2.68	26169	26854
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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