



## Material Content Data Sheet



<b>Sales Product Name</b>		BTT6020-1ERA		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA005344686						
<b>Package</b>		PG-TDSO-14-11		<b>Weight*</b>		110.97 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	28589	28589
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		10642	
wire	non noble metal	copper	7440-50-8	47.949	43.23	44.35	432109	443416
	non noble metal	copper	7440-50-8	0.713	0.64	0.64	6426	6426
encapsulation	organic material	carbon black	1333-86-4	0.151	0.14		1358	
	plastics	epoxy resin	-	5.877	5.30		52967	
	inorganic material	silicondioxide	60676-86-0	44.207	39.84	45.28	398386	452711
leadfinish	non noble metal	tin	7440-31-5	2.346	2.11	2.11	21138	21138
plating	noble metal	silver	7440-22-4	1.355	1.22	1.22	12211	12211
glue	plastics	epoxy resin	-	0.168	0.15		1516	
	noble metal	silver	7440-22-4	0.793	0.71	0.86	7146	8662
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		8	
	non noble metal	zinc	7440-66-6	0.004	0.00		32	
	non noble metal	iron	7439-89-6	0.072	0.06		644	
	non noble metal	copper	7440-50-8	2.903	2.62	2.68	26163	26847
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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