



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTT6020-1ERA	Issued	11. August 2021
MA#	MA005407448		
Package	PG-TDSO-14-11	Weight*	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	
	non noble metal	copper	7440-50-8	47.949	43.23	44.35	432109	443416
wire	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			8	
	non noble metal	zinc	7440-66-6	0.004			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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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.

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