



Material Content Data Sheet



Sales Product Name		BTT6050-1ERA		Issued		4. July 2019		
MA#		MA005344689						
Package		PG-TDSO-14-11		Weight*		110.51 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	18007	18007
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		10685	
wire	non noble metal	copper	7440-50-8	47.949	43.40	44.53	433874	445227
	non noble metal	copper	7440-50-8	0.488	0.44	0.44	4419	4419
encapsulation	organic material	carbon black	1333-86-4	0.154	0.14		1396	
	plastics	epoxy resin	-	6.018	5.45		54457	
	inorganic material	silicondioxide	60676-86-0	45.265	40.96	46.55	409589	465442
leadfinish	non noble metal	tin	7440-31-5	2.346	2.12	2.12	21224	21224
plating	noble metal	silver	7440-22-4	1.355	1.23	1.23	12261	12261
glue	plastics	epoxy resin	-	0.125	0.11		1131	
	noble metal	silver	7440-22-4	0.589	0.53	0.64	5332	6463
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		647	
	non noble metal	copper	7440-50-8	2.903	2.63	2.69	26270	26957
*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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