



Material Content Data Sheet



Sales Product Name				BSZ15DC02KD H		Issued		1. August 2018	
MA#				MA001193964					
Package				PG-TSDSON-8-31		Weight*		32.60 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	non noble metal	tin	7440-31-5	0.004	0.01		135		
	noble metal	gold	7440-57-5	0.017	0.05		525		
	inorganic material	silicon	7440-21-3	0.089	0.27	0.33	2745	3405	
chip_2	non noble metal	tin	7440-31-5	0.004	0.01		135		
	noble metal	gold	7440-57-5	0.017	0.05		525		
	inorganic material	silicon	7440-21-3	0.194	0.59	0.65	5947	6607	
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		90		
	non noble metal	zinc	7440-66-6	0.012	0.04		361		
	non noble metal	iron	7439-89-6	0.235	0.72		7224		
	non noble metal	copper	7440-50-8	9.561	29.33	30.10	293317	300992	
wire	non noble metal	copper	7440-50-8	0.199	0.61	0.61	6093	6093	
encapsulation	organic material	carbon black	1333-86-4	0.039	0.12		1192		
	plastics	epoxy resin	-	2.001	6.14		61393		
	inorganic material	silicondioxide	60676-86-0	17.389	53.36	59.62	533461	596046	
leadfinish	non noble metal	tin	7440-31-5	0.375	1.15	1.15	11503	11503	
plating	noble metal	silver	7440-22-4	0.476	1.46	1.46	14597	14597	
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		18		
	non noble metal	iron	7439-89-6	0.002	0.01		61		
	non noble metal	copper	7440-50-8	1.978	6.07	6.08	60678	60757	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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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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