



Material Content Data Sheet



Sales Product Name		BSP78		Issued		22. January 2018		
MA#		MA000397780						
Package		PG-SOT223-4-21		Weight*		112.96 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	3.370	2.98	2.98	29830	29830
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		90	
	non noble metal	titanium	7440-32-6	0.051	0.04		449	
	non noble metal	chromium	7440-47-3	0.152	0.13		1347	
	non noble metal	copper	7440-50-8	50.489	44.72	44.90	446966	448852
wire	noble metal	gold	7440-57-5	0.371	0.33	0.33	3285	3285
encapsulation	organic material	carbon black	1333-86-4	0.444	0.39		3935	
	plastics	brominated resin	-	0.556	0.49		4918	
	inorganic material	antimonytrioxide	1309-64-4	1.111	0.98		9837	
	plastics	epoxy resin	-	10.112	8.95		89516	
	inorganic material	silicondioxide	60676-86-0	43.336	38.36	49.17	383639	491845
leadfinish	non noble metal	tin	7440-31-5	1.464	1.30	1.30	12960	12960
plating	noble metal	silver	7440-22-4	0.513	0.45	0.45	4541	4541
glue	plastics	epoxy resin	-	0.172	0.15		1520	
	noble metal	silver	7440-22-4	0.810	0.72	0.87	7167	8687
*deviation	< 10%				Sum in total:		100.00	1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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