



Material Content Data Sheet



Sales Product Name	ISP452	Issued	21. August 2021
MA#	MA000408636		
Package	PG-SOT223-4-23	Weight*	113.95 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	2.667	2.34	2.34	23401	23401
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		91	
	non noble metal	titanium	7440-32-6	0.052	0.05		457	
	non noble metal	chromium	7440-47-3	0.156	0.14		1372	
	non noble metal	copper	7440-50-8	51.895	45.56	45.76	455413	457333
wire	noble metal	gold	7440-57-5	0.174	0.15	0.15	1525	1525
encapsulation	organic material	carbon black	1333-86-4	0.447	0.39		3921	
	plastics	brominated resin	-	0.559	0.49		4902	
	inorganic material	antimonytrioxide	1309-64-4	1.117	0.98		9803	
	plastics	epoxy resin	-	10.166	8.92		89211	
	inorganic material	silicondioxide	60676-86-0	43.567	38.23	49.01	382334	490171
leadfinish	non noble metal	tin	7440-31-5	1.464	1.28	1.28	12848	12848
plating	noble metal	silver	7440-22-4	0.815	0.71	0.71	7149	7149
glue	plastics	epoxy resin	-	0.151	0.13		1325	
	noble metal	silver	7440-22-4	0.712	0.62	0.75	6248	7573
*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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