



## Material Content Data Sheet



<b>Sales Product Name</b>		ISP452		<b>Issued</b>		26. September 2017		
<b>MA#</b>		MA000408636						
<b>Package</b>		PG-SOT223-4-23		<b>Weight*</b>		113.97 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	2.667	2.34	2.34	23398	23398
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	45.54	45.74	455357	457277
wire	noble metal	gold	7440-57-5	0.189	0.17	0.17	1658	1658
encapsulation	organic material	carbon black	1333-86-4	0.447	0.39		3921	
	plastics	brominated resin	-	0.559	0.49		4901	
	inorganic material	antimonytrioxide	1309-64-4	1.117	0.98		9802	
	plastics	epoxy resin	-	10.165	8.92		89198	
	inorganic material	silicondioxide	60676-86-0	43.566	38.23	49.01	382278	490100
leadfinish	non noble metal	tin	7440-31-5	1.464	1.28	1.28	12846	12846
plating	noble metal	silver	7440-22-4	0.815	0.71	0.71	7148	7148
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:

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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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