

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICL5102	**Issued**	13. May 2021
MA#	MA002235104		
Package	PG-DSO-16-23	**Weight***	154.31 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.615	0.40	0.40	3983	3983
chip_2	inorganic material	silicon	7440-21-3	2.151	1.39	1.39	13943	13943
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		106	
	non noble metal	zinc	7440-66-6	0.066	0.04		425	
	non noble metal	iron	7439-89-6	1.311	0.85		8498	
	non noble metal	copper	7440-50-8	53.247	34.51	35.41	345072	354101
wire	noble metal	gold	7440-57-5	0.728	0.47	0.47	4719	4719
encapsulation	organic material	carbon black	1333-86-4	0.280	0.18		1818	
	plastics	epoxy resin	-	9.069	5.88		58771	
	inorganic material	silicondioxide	60676-86-0	84.142	54.53	60.59	545294	605883
leadfinish	non noble metal	tin	7440-31-5	1.530	0.99	0.99	9917	9917
plating	noble metal	silver	7440-22-4	0.226	0.15	0.15	1463	1463
glue	plastics	acrylic resin	-	0.203	0.13		1318	
	noble metal	silver	7440-22-4	0.721	0.47	0.60	4673	5991
*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.
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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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