



Material Content Data Sheet



Halogen-Free

Sales Product Name	ISP12DP06NM	Issued	16. April 2021
MA#	MA005415853		
Package	PG-SOT223-4-21	Weight*	113.75 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.024	0.02		207	
	noble metal	gold	7440-57-5	0.091	0.08		801	
	inorganic material	silicon	7440-21-3	1.033	0.91	1.01	9081	10089
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		89	
	non noble metal	titanium	7440-32-6	0.051	0.04		446	
	non noble metal	chromium	7440-47-3	0.152	0.13		1337	
	non noble metal	copper	7440-50-8	50.489	44.38	44.56	443880	445752
wire	non noble metal	copper	7440-50-8	0.108	0.10	0.10	951	951
encapsulation	organic material	carbon black	1333-86-4	0.598	0.53		5258	
	plastics	epoxy resin	-	8.972	7.89		78874	
	inorganic material	silicondioxide	60676-86-0	50.241	44.17	52.59	441695	525827
leadfinish	non noble metal	tin	7440-31-5	1.464	1.29	1.29	12871	12871
plating	noble metal	silver	7440-22-4	0.513	0.45	0.45	4510	4510
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com