



Material Content Data Sheet



Halogen-Free

Sales Product Name	ISP13DP06NMS	Issued	14. February 2022
MA#	MA005622531		
Package	PG-SOT223-3-1	Weight*	116.23 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	1.390	1.20	1.20	11962	11962
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		135	
	non noble metal	iron	7439-89-6	0.052	0.05		451	
	non noble metal	copper	7440-50-8	52.304	45.00	45.06	449987	450573
wire	non noble metal	copper	7440-50-8	0.163	0.14	0.14	1400	1400
encapsulation	organic material	carbon black	1333-86-4	0.178	0.15		1528	
	plastics	epoxy resin	-	6.928	5.96		59603	
	inorganic material	silicondioxide	60676-86-0	52.107	44.83	50.94	448292	509423
leadfinish	non noble metal	tin	7440-31-5	1.352	1.16	1.16	11633	11633
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1897	1897
solder	non noble metal	tin	7440-31-5	0.030	0.03		262	
	noble metal	silver	7440-22-4	0.038	0.03		328	
	non noble metal	lead	7439-92-1	1.456	1.25	1.31	12522	13112
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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