



Material Content Data Sheet



Sales Product Name	SPD50P03L G	Issued	30. April 2021
MA#	MA001626260		
Package	PG-TO252-5-13	Weight*	429.88 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	2.993	0.70	0.70	6962	6962
leadframe	inorganic material	phosphorus	7723-14-0	0.088	0.02		204	
	non noble metal	iron	7439-89-6	0.293	0.07		681	
	non noble metal	copper	7440-50-8	292.340	68.00	68.09	680051	680936
wire	non noble metal	aluminium	7429-90-5	2.514	0.58	0.58	5847	5847
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.730	0.40		4023	
	plastics	brominated resin	-	1.853	0.43		4311	
	organic material	carbon black	1333-86-4	1.977	0.46		4598	
	plastics	epoxy resin	-	16.678	3.88		38798	
	inorganic material	silicondioxide	60676-86-0	101.305	23.57	28.74	235659	287389
leadfinish	non noble metal	tin	7440-31-5	5.440	1.27	1.27	12655	12655
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.089	0.02	0.02	206	207
solder	non noble metal	tin	7440-31-5	0.052	0.01		120	
	noble metal	silver	7440-22-4	0.065	0.02		150	
	non noble metal	lead	7439-92-1	2.465	0.57	0.60	5734	6004
*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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