



Material Content Data Sheet



Sales Product Name	SPD50N03S2-07 G	Issued	28. April 2021
MA#	MA000446664		
Package	PG-TO252-3-311	Weight*	315.72 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	4.029	1.28	1.28	12760	12760
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		136	
	non noble metal	iron	7439-89-6	0.143	0.05		454	
	non noble metal	copper	7440-50-8	143.098	45.31	45.37	453246	453836
wire	non noble metal	aluminium	7429-90-5	2.547	0.81	0.81	8069	8069
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.954	0.62		6190	
	plastics	brominated resin	-	2.094	0.66		6632	
	organic material	carbon black	1333-86-4	2.234	0.71		7075	
	plastics	epoxy resin	-	18.846	5.97		59692	
	inorganic material	silicondioxide	60676-86-0	114.470	36.26	44.22	362572	442161
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11846	11846
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	274	275
solder	non noble metal	tin	7440-31-5	0.065	0.02		205	
	noble metal	silver	7440-22-4	0.081	0.03		256	
	non noble metal	lead	7439-92-1	3.085	0.98	1.03	9771	10232
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		61	
	non noble metal	copper	7440-50-8	19.177	6.07	6.08	60742	60821
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

- 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.
- 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.
- 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.

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