



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPD04N50C3	<b>Issued</b>	04. May 2021
<b>MA#</b>	MA001145696		
<b>Package</b>	PG-TO252-3-313	<b>Weight*</b>	319.02 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	3.265	1.02	1.02	10235	10235
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	iron	7439-89-6	0.147	0.05		462	
	non noble metal	copper	7440-50-8	147.096	46.13	46.19	461094	461695
wire	non noble metal	aluminium	7429-90-5	0.650	0.20	0.20	2036	2036
encapsulation	inorganic material	zinc oxide	1314-13-2	1.405	0.44		4403	
	miscellaneous	miscellaneous	-	7.023	2.20		22015	
	plastics	epoxy resin	-	21.070	6.60		66046	
	inorganic material	silicon dioxide	60676-86-0	110.967	34.78	44.02	347843	440307
lead finish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11724	11724
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4453	4464
solder	non noble metal	tin	7440-31-5	0.060	0.02		187	
	noble metal	silver	7440-22-4	0.075	0.02		234	
	non noble metal	lead	7439-92-1	2.848	0.89	0.93	8926	9347
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	6.01	6.02	60114	60192
*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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