



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPD02N80C3	Issued	17. April 2021
MA#	MA005425103		
Package	PG-TO252-3-345	Weight*	337.75 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	2.280	0.67	0.67	6749	6749
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		171	
	non noble metal	iron	7439-89-6	0.193	0.06		571	
	non noble metal	copper	7440-50-8	192.629	57.04	57.12	570331	571073
wire	non noble metal	aluminium	7429-90-5	0.450	0.13	0.13	1331	1331
encapsulation	organic material	carbon black	1333-86-4	0.410	0.12		1214	
	plastics	epoxy resin	-	12.438	3.68		36825	
	inorganic material	silicondioxide	60676-86-0	123.830	36.66	40.46	366633	404672
leadfinish	non noble metal	tin	7440-31-5	2.562	0.76	0.76	7586	7586
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1673	1673
solder	non noble metal	tin	7440-31-5	0.047	0.01		138	
	noble metal	silver	7440-22-4	0.058	0.02		173	
	non noble metal	lead	7439-92-1	2.231	0.66	0.69	6605	6916
*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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