



Material Content Data Sheet



Sales Product Name	1ED3320MC12N			Issued		28. January 2022		
MA#	MA005595418							
Package	PG-DSO-16-40			Weight*		447.53 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.371	0.31	0.31	3063	3063
chip_2	inorganic material	silicon	7440-21-3	1.806	0.40	0.40	4034	4034
leadframe	inorganic material	phosphorus	7723-14-0	0.036	0.01		80	
	non noble metal	zinc	7440-66-6	0.142	0.03		318	
	non noble metal	iron	7439-89-6	2.846	0.64		6360	
	non noble metal	copper	7440-50-8	115.580	25.83	26.51	258259	265017
wire	non noble metal	copper	7440-50-8	0.430	0.10	0.10	960	960
encapsulation	organic material	carbon black	1333-86-4	1.604	0.36		3585	
	plastics	epoxy resin	-	32.086	7.17		71695	
	inorganic material	silicondioxide	60676-86-0	287.170	64.15	71.68	641671	716951
leadfinish	non noble metal	tin	7440-31-5	2.290	0.51	0.51	5116	5116
plating	noble metal	silver	7440-22-4	0.449	0.10	0.10	1002	1002
glue	inorganic material	copperoxide	1317-38-0	0.043	0.01		96	
	miscellaneous	miscellaneous	-	0.052	0.01		116	
	plastics	epoxy resin	-	0.302	0.07		675	
	noble metal	silver	7440-22-4	1.329	0.30	0.39	2970	3857
*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 does not use any exemption

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