



## Material Content Data Sheet



Sales Product Name	1ED3321MC12N			Issued		28. January 2022		
MA#	MA005590301							
Package	PG-DSO-16-40			Weight*		447.52 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	4035	4035
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		6361	
	non noble metal	copper	7440-50-8	115.580	25.83	26.51	258268	265027
wire	non noble metal	copper	7440-50-8	0.409	0.09	0.09	914	914
encapsulation	organic material	carbon black	1333-86-4	1.604	0.36		3585	
	plastics	epoxy resin	-	32.086	7.17		71699	
	inorganic material	silicondioxide	60676-86-0	287.174	64.16	71.69	641702	716986
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	plastics	epoxy resin	-	0.432	0.10		964	
	noble metal	silver	7440-22-4	1.295	0.29	0.39	2893	3857
*deviation	< 10%	Sum in total:			100.00		1000000	

### Important Remarks:

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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