

Material Content Data Sheet

RoHS | Halogen-Free

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:

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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

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